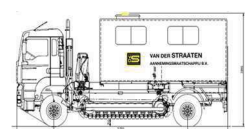
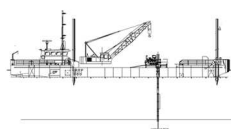
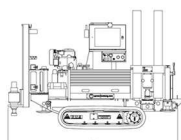
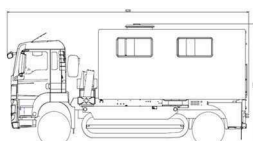


Rapport geotechnisch bodemonderzoek



Rapportnummer : 210019
Plaats : Ritthem
Omschrijving : Schotlandweg

Laboratoriumonderzoek boring nr. 3



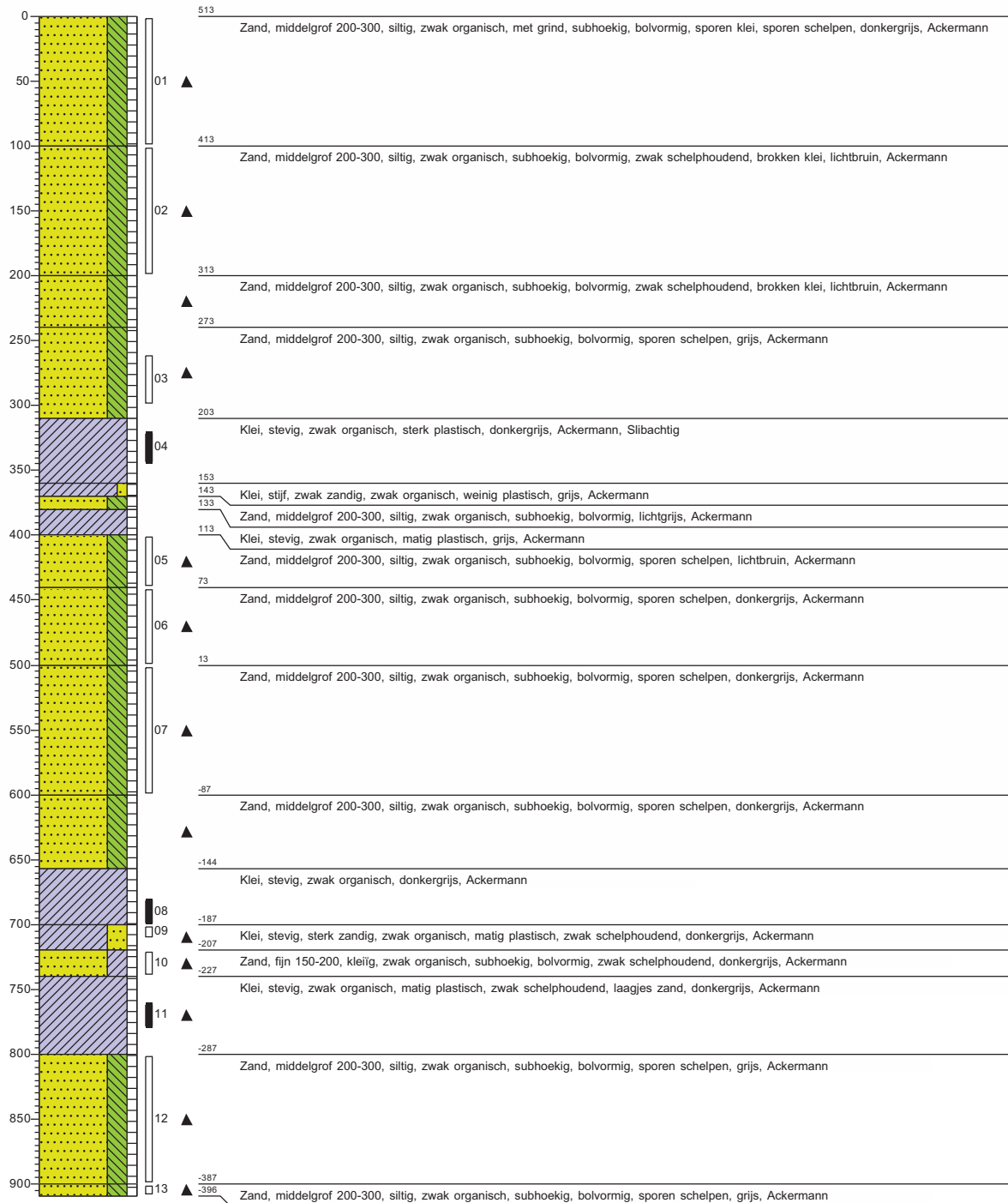
VAN DER STRAATEN
GEOTECHNIEK B.V.

Van der Straaten Geotechniek BV



Boring: B003

X-coördinaat t.o.v. RD: 37859,88
Y-coördinaat t.o.v. RD: 387254,19
Datum plaatsing: 18-2-2021
Maaiveld in m t.o.v. NAP: 5,128

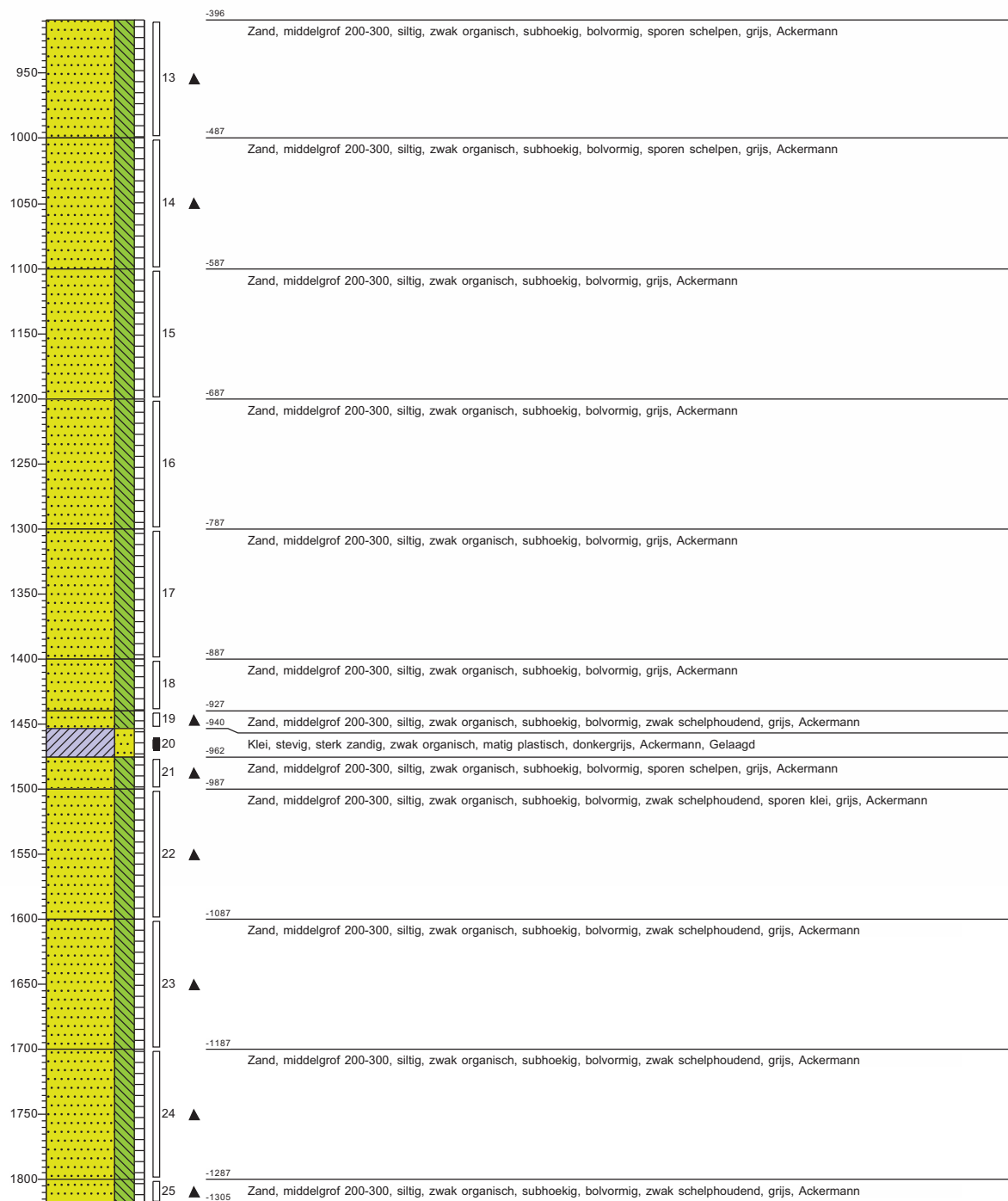


Boormeester: Wim Timmers & Danny Oostingh
Projectnaam: Ritthem
Projectcode: 210019(opgeslagen)



Boring: B003

X-coördinaat t.o.v. RD: 37859,88
Y-coördinaat t.o.v. RD: 387254,19
Datum plaatsing: 18-2-2021
Maaiveld in m t.o.v. NAP: 5,128

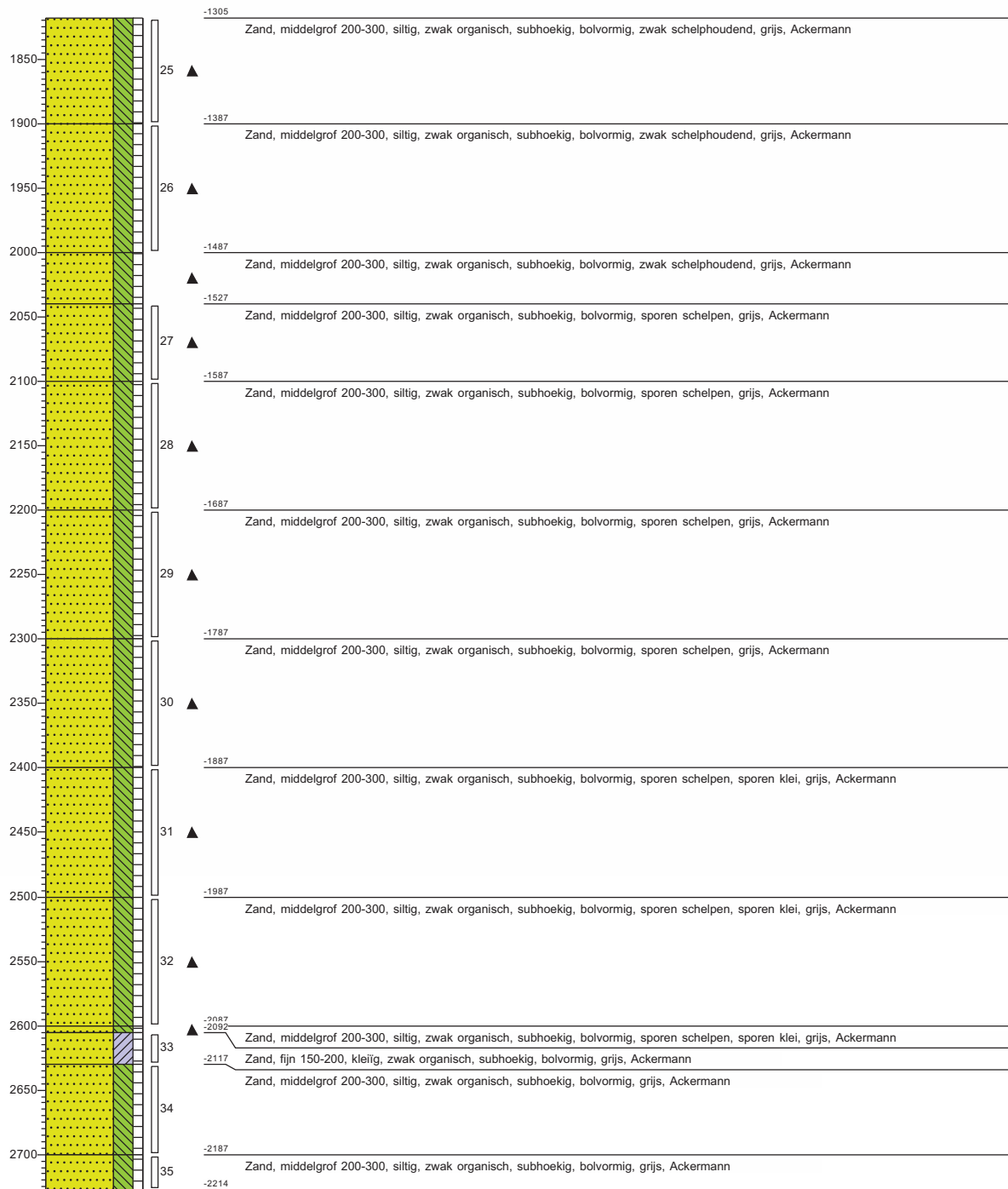


Boormeester: Wim Timmers & Danny Oostingh
Projectnaam: Ritthem
Projectcode: 210019(opgeslagen)



Boring: B003

X-coördinaat t.o.v. RD: 37859,88
Y-coördinaat t.o.v. RD: 387254,19
Datum plaatsing: 18-2-2021
Maaiveld in m t.o.v. NAP: 5,128

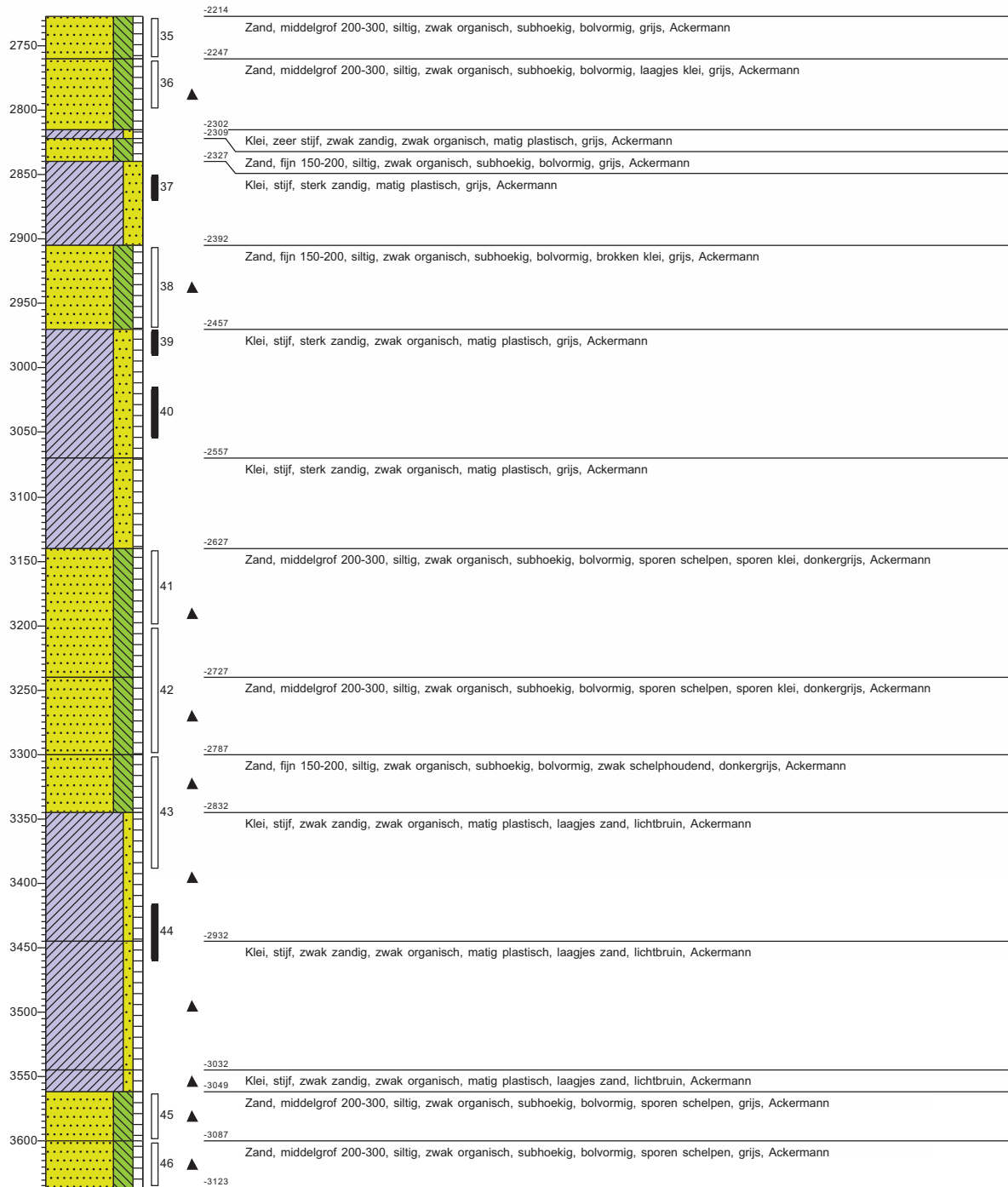


Boormeester: Wim Timmers & Danny Oostingh
Projectnaam: Ritthem
Projectcode: 210019 (opgeslagen)



Boring: B003

X-coördinaat t.o.v. RD: 37859,88
Y-coördinaat t.o.v. RD: 387254,19
Datum plaatsing: 18-2-2021
Maaiveld in m t.o.v. NAP: 5,128

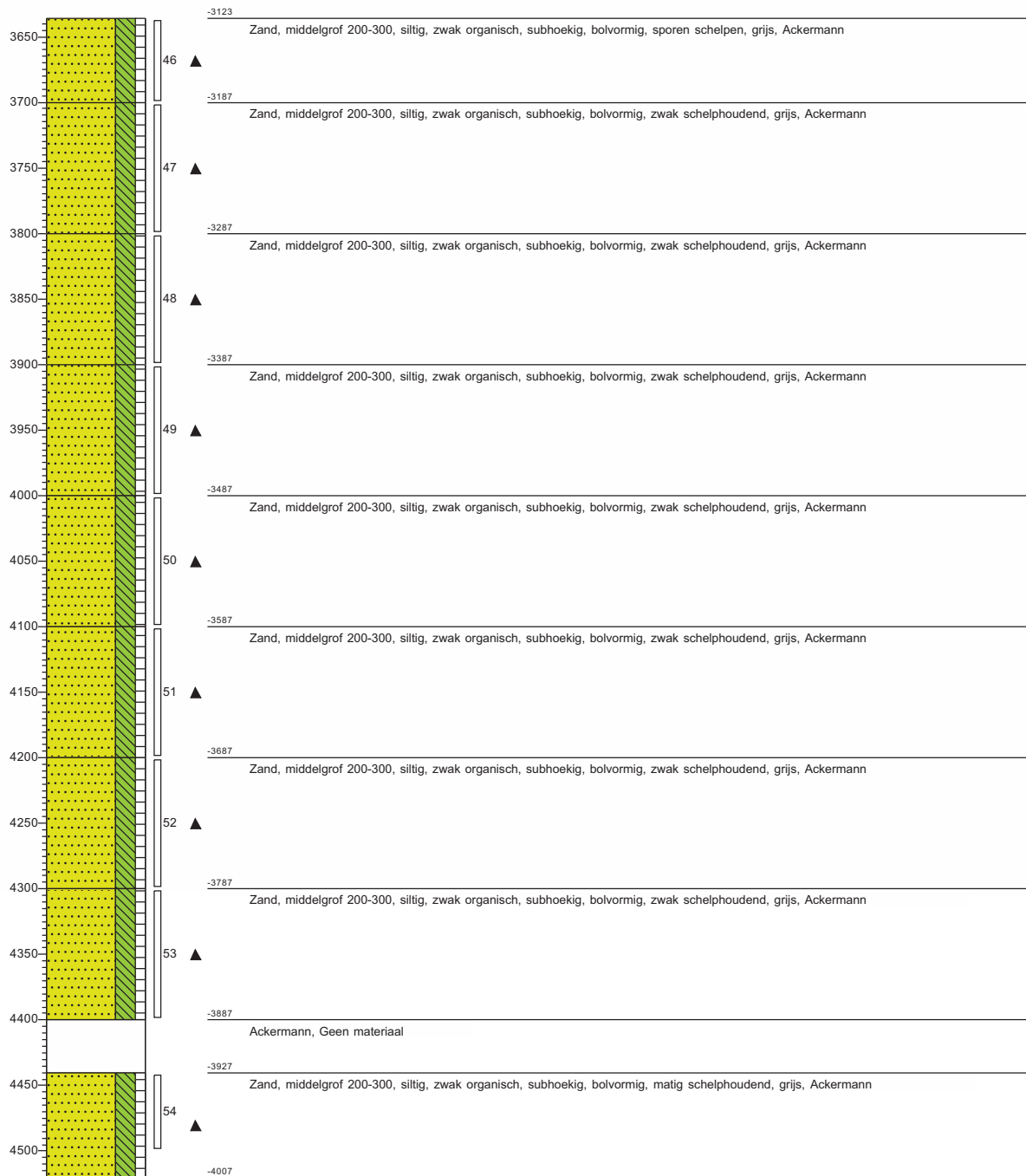


Boormeester: Wim Timmers & Danny Oostingh
Projectnaam: Ritthem
Projectcode: 210019(opgeslagen)



Boring: B003

X-coördinaat t.o.v. RD: 37859,88
Y-coördinaat t.o.v. RD: 387254,19
Datum plaatsing: 18-2-2021
Maaiveld in m t.o.v. NAP: 5,128



Boormeester: Wim Timmers & Danny Oostingh
Projectnaam: Ritthem
Projectcode: 210019(opgeslagen)

VLISSINGEN OOST

MVJ21031

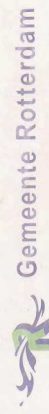
BORING B003

MV 5.13 M NAP

MAPNR 2021 -015

FEBRUARI 2021

BLAD 1/4



Gemeente Rotterdam

Ingenieursbureau

VLG-Laboratorium



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-40

-50

-60

-70

-80

-90

M-MV

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VLISSINGEN OOST

MVJ21031

BORING B003

MV 5.13 M NAP

MAPNR 2021 -015

FEBRUARI 2021

BLAD 2/4



Gemeente Rotterdam

Ingenieursbureau

VLG-Laboratorium



M-MV

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VLISSINGEN OOST

MVJ21031

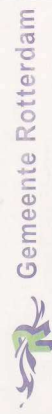
BORING B003

MV 5.13 M NAP

MAPNR 2021 -015

FEBRUARI 2021

BLAD 3/4



Gemeente Rotterdam

Ingenieursbureau

VLG-Laboratorium



M-MV

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-70

-80

-90

VLISSINGEN OOST

MVJ21031

BORING B003

MV 5.13 M NAP

MAP NR 2021 -015

FEBRUARI 2021

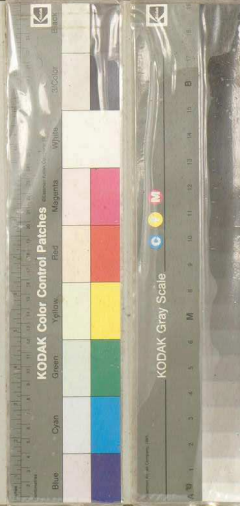
BLAD 4/4



Gemeente Rotterdam

Ingenieursbureau

VLG-Laboratorium



M-MV

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-30

-40

-50

-60

-70

-80

-90

42 43 44 45



ONDERZOEKSRESULTATEN

Resultaten Volume/Gewicht:

Boring	diepte t.o.v. [m-mv]	volume- gewicht nat [kN/m ³]	volume- gewicht droog [kN/m ³]	water- gehalte [%m/m d.s.]
B003-1	0,50	18,4	14,9	24
B003-2	1,50	18,9	15,0	26
B003-3	2,60	19,5	15,0	30
B003-4	3,15	14,6	8,0	81
B003-5	3,65	19,2	15,7	22
B003-6	3,90	16,3	10,5	55
B003-7	4,20	15,7	14,5	8
B003-8	4,60	18,7	15,6	20
B003-9	6,65	15,7	10,1	55
B003-10	7,10	18,7	14,9	26
B003-11	7,30	18,2	14,5	25
B003-12	7,50	17,0	12,6	34
B003-13	8,50	19,0	15,7	22
B003-14	10,50	19,7	15,7	26
B003-15	12,50	19,6	15,4	27
B003-16	14,60	17,9	12,6	41
B003-17	14,90	19,1	15,1	26
B003-18	16,50	18,7	15,2	23
B003-19	18,50	18,2	15,3	19
B003-20	20,50	18,7	15,3	22
B003-21	22,50	19,6	16,2	21
B003-22	24,50	19,3	16,0	21
B003-23	26,30	19,9	16,9	18
B003-24	26,50	19,5	16,4	19
B003-25	27,70	18,6	15,4	21
B003-26	28,20	19,3	15,2	27
B003-27	28,45	19,7	15,3	29
B003-28	29,45	18,4	14,8	24
B003-29	29,70	18,6	15,5	20
B003-30	31,30	19,9	16,1	23
B003-31	31,80	19,9	16,5	20
B003-32	33,25	20,0	16,6	21
B003-33	33,70	17,8	14,3	24
B003-34	35,70	18,3	13,9	31
B003-35	37,50	19,0	14,3	32
B003-36	39,50	19,1	14,6	32
B003-37	41,50	18,3	14,6	25
B003-38	43,50	18,1	14,9	21
B003-39	45,00	18,2	15,3	18



Resultaten min max proeven

B3

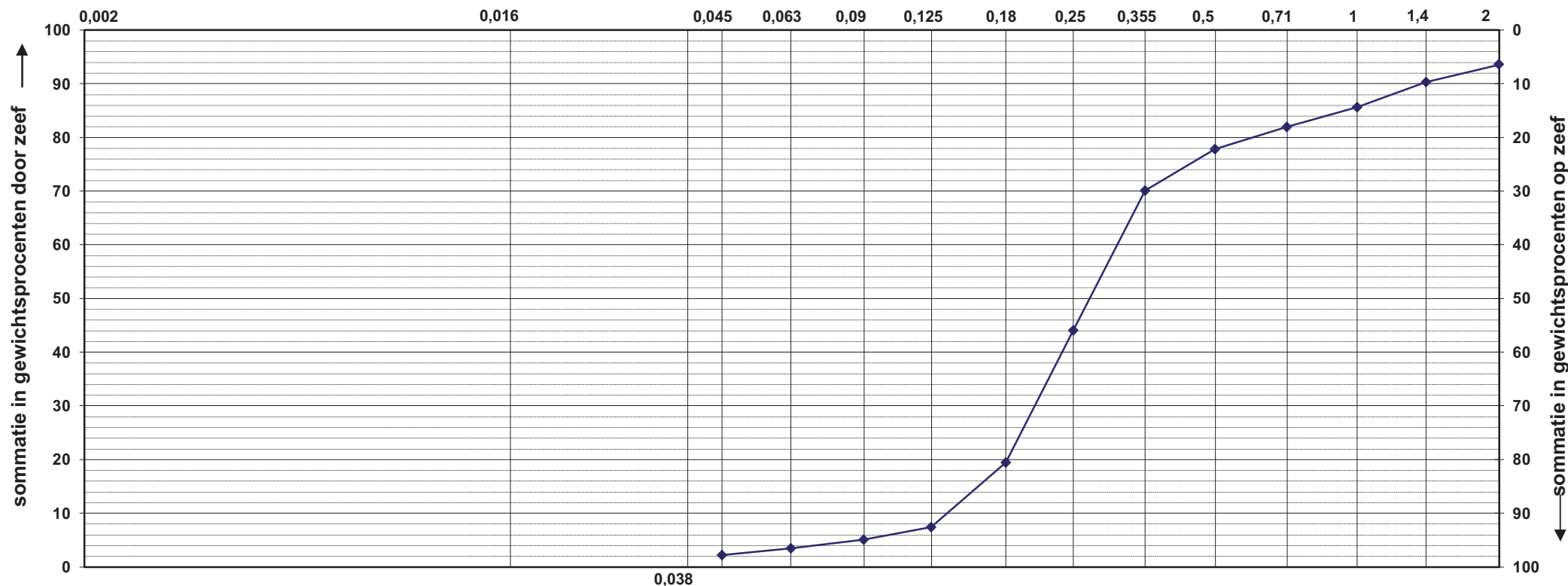
		8,0-9,0 m-mv	18,0-19,0 m-mv	41,0-42,0 m-mv
maximale dichtheid	Kg/m3	1707	1824	1612
minimale dichtheid	Kg/m3	1373	1498	1306

Resultaten atterbergse grenzen

B3

	7,6-7,8 m-mv	28,5-28,7 m-mv	29,7-29,9 m-mv	30,15-30,35 m-mv	30,4-30,55 m-mv	34,15-34,35 m-mv	34,4-34,6 m-mv
Vloeigrens [%]	59,0	40,0	30,0	32,0	30,9	47,7	35,8
Uitrolgrens [%]	25,3	16,4	17,3	16,0	16,2	20,6	15,8
Plasticiteitsindex [%]	33,7	23,6	12,7	16,0	14,7	27,1	20,0
Erosiebestendigheid	klasse 1	klasse 2	weinig	klasse 1	weinig	klasse 1	klasse 2

korrelgrootteverdelingsdiagram(inclusief humus, inclusief CaCO₃ en inclusief Fe₂O₃)
 korreldiameter in mm →



samenstelling monster (inclusief humus, CaCO₃ en Fe₂O₃)

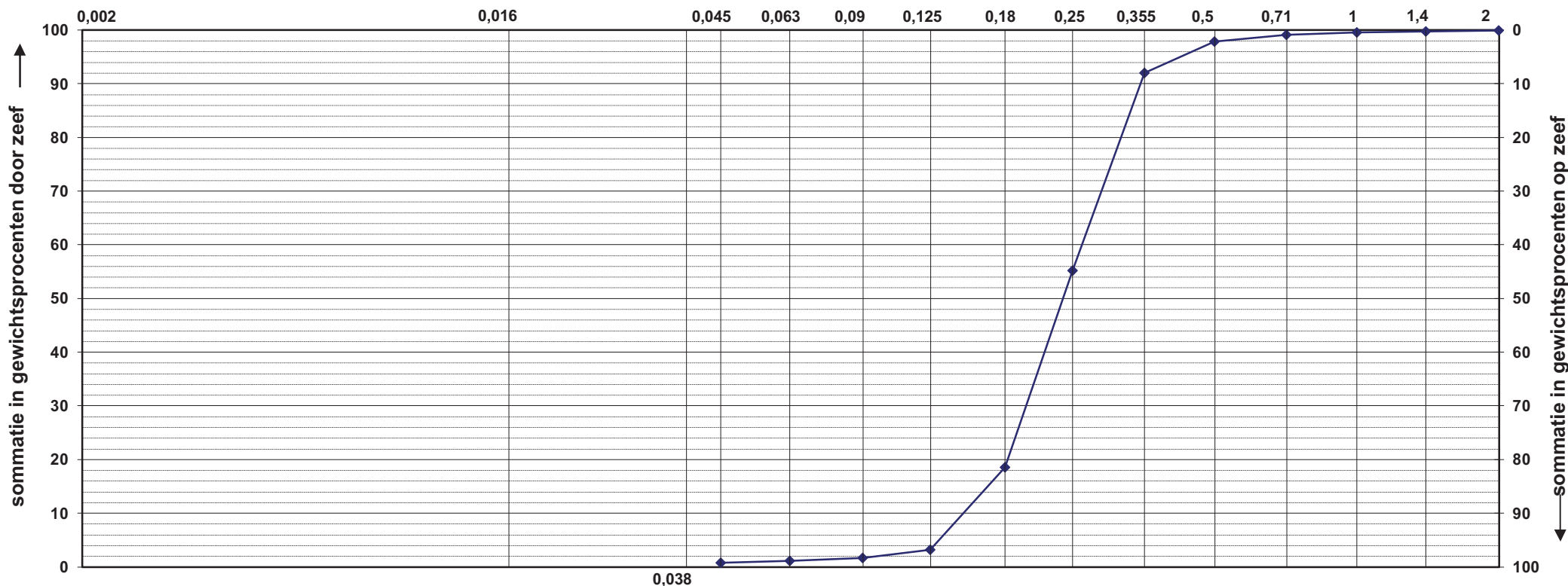
identificatie monster	grind >2 mm %	zand 0.063-2mm %	silt 0.002-0.063mm %	lutum <0.002mm %
1,0-2,0 m-mv	6,4	90,1	-	-

D70 [mm]	D50 [mm]	D60/D10	M50 (0.063-2mm) [mm]	D60/D10 (0.063-2mm)
0,355	0,271	2,3	0,266	2,06

Tabel uitgedrukt in massapercentages
van de stoofdroge grond

opdrachtgever Vander Straaten	monsterklasse : 3	datum: 2-3-2021	boringnummer: B003
laborant: ED	projectleider:	mapnr.: 2021-015	hoogteligging: MV tov NAP: 5,13m
GEMEENTE ROTTERDAM INGENIEURSBUREAU		project: MVJ21031 Vlissingen Oost	
Veld- en Laboratoriummetingen Gww		KORRELGROOTTEVERDELING	

korrelgrootteverdelingsdiagram(inclusief humus, inclusief CaCO₃ en inclusief Fe₂O₃)
korreldiameter in mm →



samenstelling monster (inclusief humus, CaCO₃ en Fe₂O₃)

identificatie monster	grind >2 mm %	zand 0.063-2mm %	silt 0,002-0,063mm %	lutum <0,002mm %
5,0-6,0 m-mv	0,1	98,8	-	-

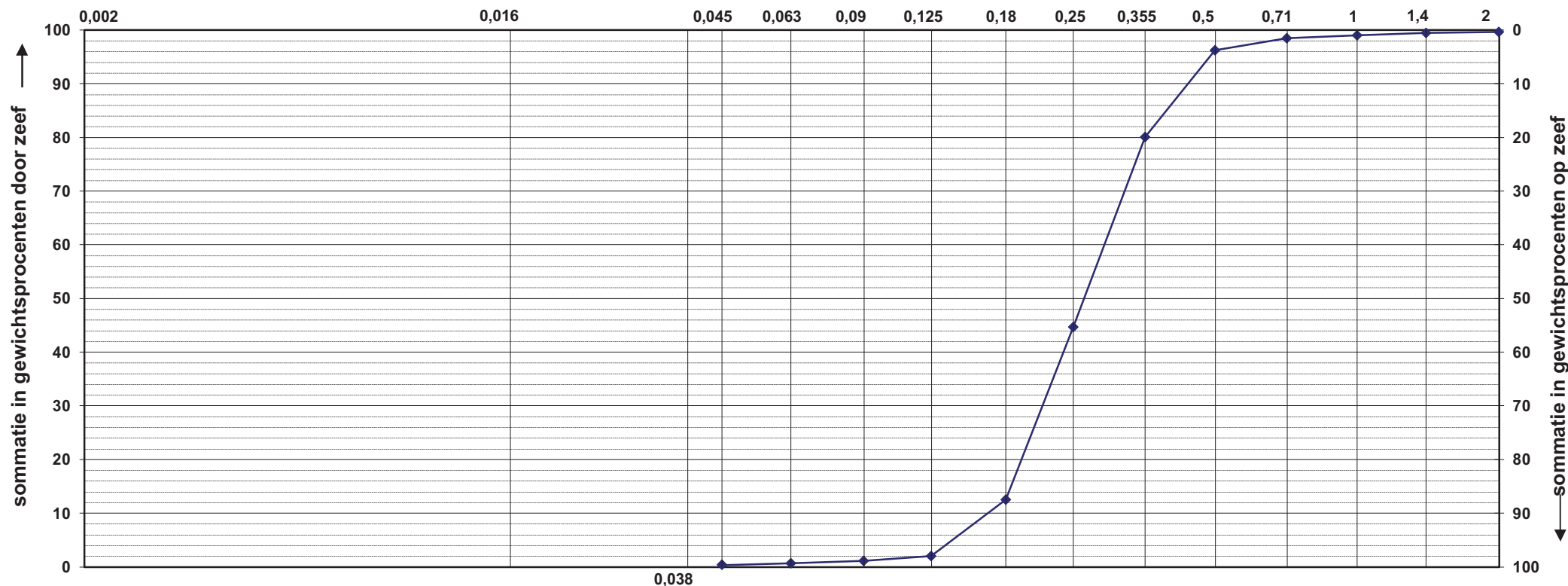
D70 [mm]	D50 [mm]	D60/D10	M50 (0.063-2mm) [mm]	D60/D10 (0.063-2mm)
0,288	0,239	1,8	0,240	1,75

Tabel uitgedrukt in massapercentages
van de stooftroge grond

opdrachtgever Vander Straaten	monsterklasse : 3	datum: 2-3-2021	boringnummer: B003
laborant: ED	projectleider:	mapnr.: 2021-015	hoogteligging: MV tov NAP: 5,13m
GEMEENTE ROTTERDAM INGENIEURSBUREAU		project: MVJ21031 Vlissingen Oost	
Veld- en Laboratoriummetingen Gww		KORRELGROOTTEVERDELING	

korrelgrootteverdelingsdiagram(inclusief humus, inclusief CaCO3 en inclusief Fe2O3)

korreldiameter in mm →



samenstelling monster (inclusief humus, CaCO3 en Fe2O3)

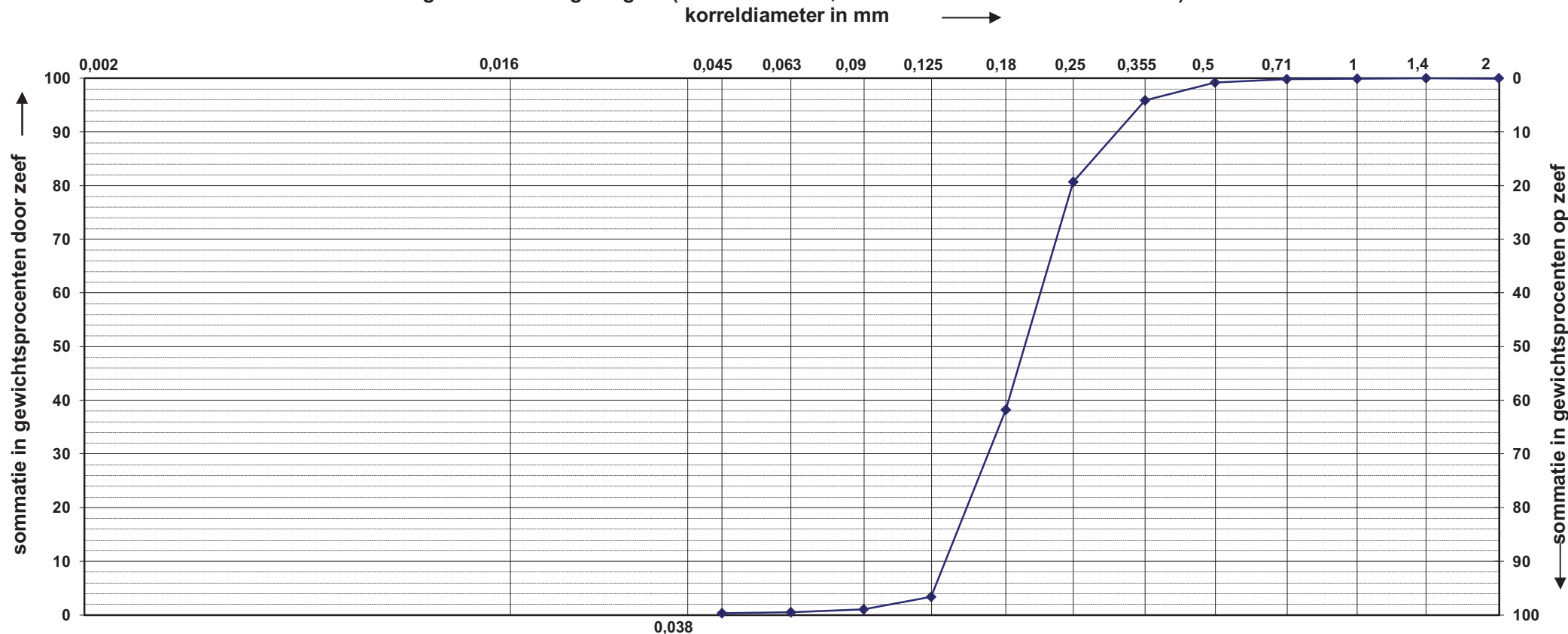
identificatie monster	grind >2 mm %	zand 0.063-2mm %	silt 0,002-0,063mm %	lutum <0,002mm %
9,0-10,0 m-mv	0,3	99,0	-	-

D70 [mm]	D50 [mm]	D60/D10	M50 (0.063-2mm) [mm]	D60/D10 (0.063-2mm)
0,321	0,264	1,8	0,264	1,73

Tabel uitgedrukt in massapercentages
van de stoofdroge grond

opdrachtgever Vander Straaten	monsterklasse : 3	datum: 2-3-2021	boringnummer: B003
laborant: ED	projectleider:	mapnr.: 2021-015	hoogteligging: MV tov NAP: 5,13m
GEMEENTE ROTTERDAM INGENIEURSBUREAU		project: MVJ21031 Vlissingen Oost	
Veld- en Laboratoriummetingen Gww		KORRELGROOTTEVERDELING	

korrelgrootteverdelingsdiagram(inclusief humus, inclusief CaCO₃ en inclusief Fe₂O₃)



samenstelling monster (inclusief humus, CaCO₃ en Fe₂O₃)

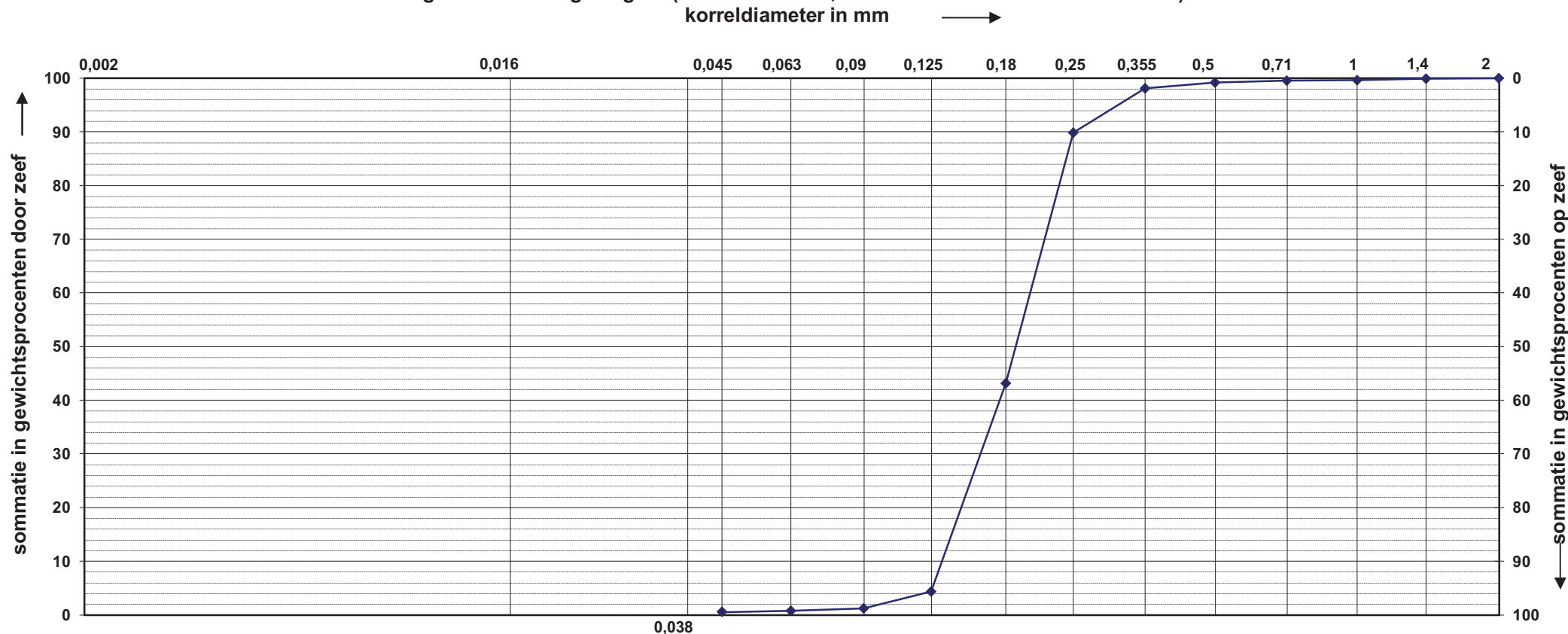
identificatie monster	grind >2 mm %	zand 0.063-2mm %	silt 0,002-0,063mm %	lutum <0,002mm %
11,0-12,0 m-mv	0,0	99,4	-	-

D70 [mm]	D50 [mm]	D60/D10	M50 (0.063-2mm) [mm]	D60/D10 (0.063-2mm)
0,230	0,197	1,6	0,198	1,58

Tabel uitgedrukt in massapercentages
van de stooftroge grond

opdrachtgever Vander Straaten	monsterklasse : 3	datum: 2-3-2021	boringnummer: B003
laborant: ED	projectleider:	mapnr.: 2021-015	hoogteligging: MV tov NAP: 5,13m
GEMEENTE ROTTERDAM INGENIEURSBUREAU		project: MVJ21031 Vlissingen Oost	
Veld- en Laboratoriummetingen Gww		KORRELGROOTTEVERDELING	

korrelgrootteverdelingsdiagram(inclusief humus, inclusief CaCO₃ en inclusief Fe₂O₃)



samenstelling monster (inclusief humus, CaCO₃ en Fe₂O₃)

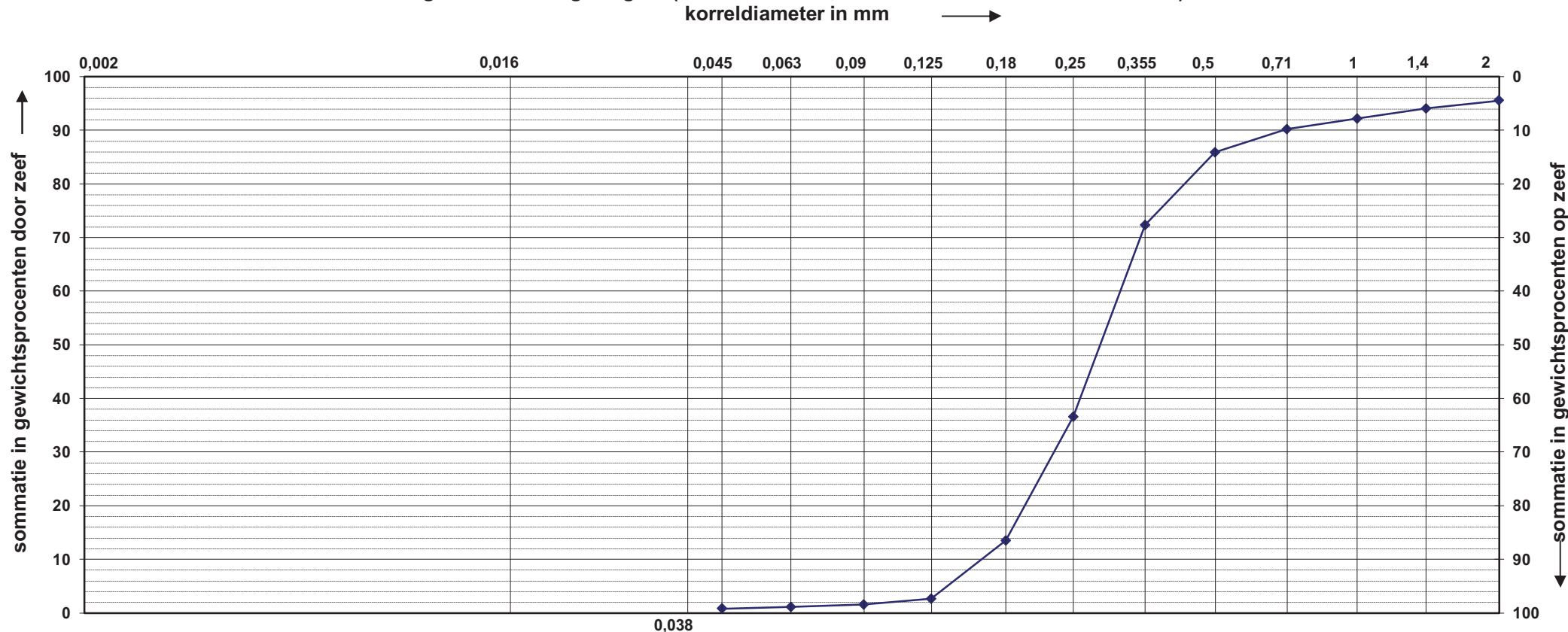
identificatie monster	grind >2 mm %	zand 0.063-2mm %	silt 0,002-0,063mm %	lutum <0,002mm %
13,0-14,0 m-mv	0,0	99,2	-	-

D70 [mm]	D50 [mm]	D60/D10	M50 (0.063-2mm) [mm]	D60/D10 (0.063-2mm)
0,217	0,189	1,5	0,189	1,53

Tabel uitgedrukt in massapercentages
van de stoofdroke grond

opdrachtgever Vander Straaten	monsterklasse : 3	datum: 2-3-2021	boringnummer: B003
laborant: ED	projectleider:	mapnr.: 2021-015	hoogteligging: MV tov NAP: 5,13m
GEMEENTE ROTTERDAM INGENIEURSBUREAU		project: MVJ21031 Vlissingen Oost	
Veld- en Laboratoriummetingen Gww		KORRELGROOTTEVERDELING	

korrelgrootteverdelingsdiagram(inclusief humus, inclusief CaCO₃ en inclusief Fe₂O₃)



samenstelling monster (inclusief humus, CaCO₃ en Fe₂O₃)

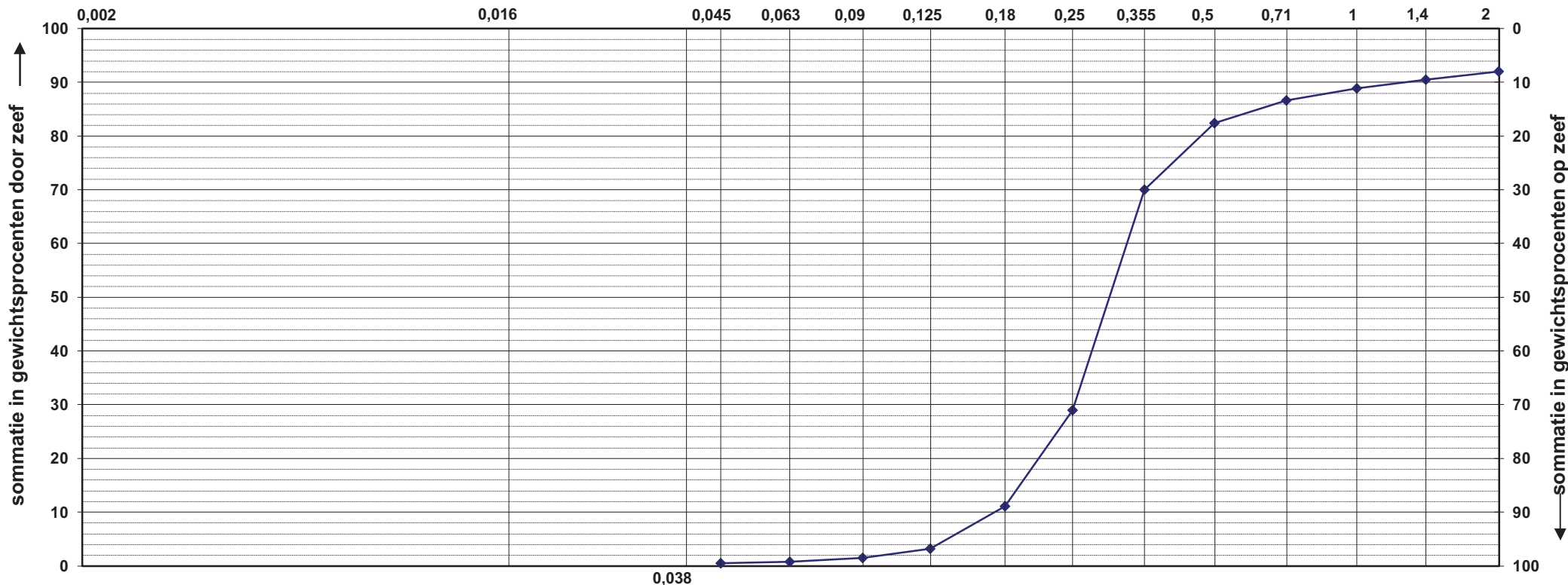
identificatie monster	grind >2 mm %	zand 0.063-2mm %	silt 0,002-0,063mm %	lutum <0,002mm %
15,0-16,0 m-mv	4,4	94,5	-	-

D70 [mm]	D50 [mm]	D60/D10	M50 (0.063-2mm) [mm]	D60/D10 (0.063-2mm)
0,347	0,285	2,0	0,281	1,89

Tabel uitgedrukt in massapercentages
van de stoofdroke grond

opdrachtgever Vander Straaten	monsterklasse : 3	datum: 2-3-2021	boringnummer: B003
laborant: ED	projectleider:	mapnr.: 2021-015	hoogteligging: MV tov NAP: 5,13m
GEMEENTE ROTTERDAM INGENIEURSBUREAU		project: MVJ21031 Vlissingen Oost	
Veld- en Laboratoriummetingen Gww		KORRELGROOTTEVERDELING	

korrelgrootteverdelingsdiagram(inclusief humus, inclusief CaCO₃ en inclusief Fe₂O₃)
korreldiameter in mm →



samenstelling monster (inclusief humus, CaCO₃ en Fe₂O₃)

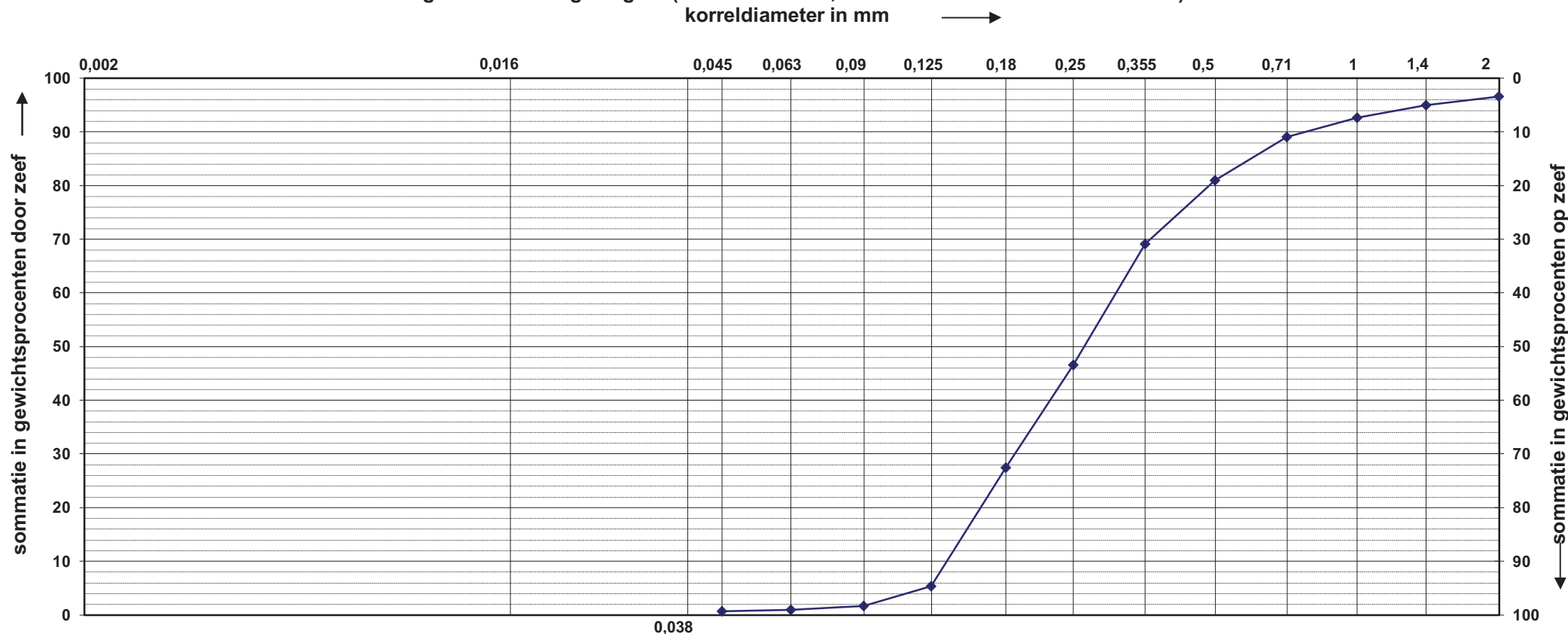
identificatie monster	grind >2 mm %	zand 0.063-2mm %	silt 0,002-0,063mm %	lutum <0,002mm %
17,0-18,0 m-mv	8,0	91,2	-	-

D70 [mm]	D50 [mm]	D60/D10	M50 (0.063-2mm) [mm]	D60/D10 (0.063-2mm)
0,355	0,299	1,9	0,290	1,84

Tabel uitgedrukt in massapercentages
van de stoofdroke grond

opdrachtgever Vander Straaten	monsterklasse : 3	datum: 2-3-2021	boringnummer: B003
laborant: ED	projectleider:	mapnr.: 2021-015	hoogteligging: 5,13m tov NAP: n.v.t.
GEMEENTE ROTTERDAM INGENIEURSBUREAU		project: MVJ21031 Vlissingen Oost	
Veld- en Laboratoriummetingen Gww		KORRELGROOTTEVERDELING	

korrelgrootteverdelingsdiagram(inclusief humus, inclusief CaCO₃ en inclusief Fe₂O₃)



samenstelling monster (inclusief humus, CaCO₃ en Fe₂O₃)

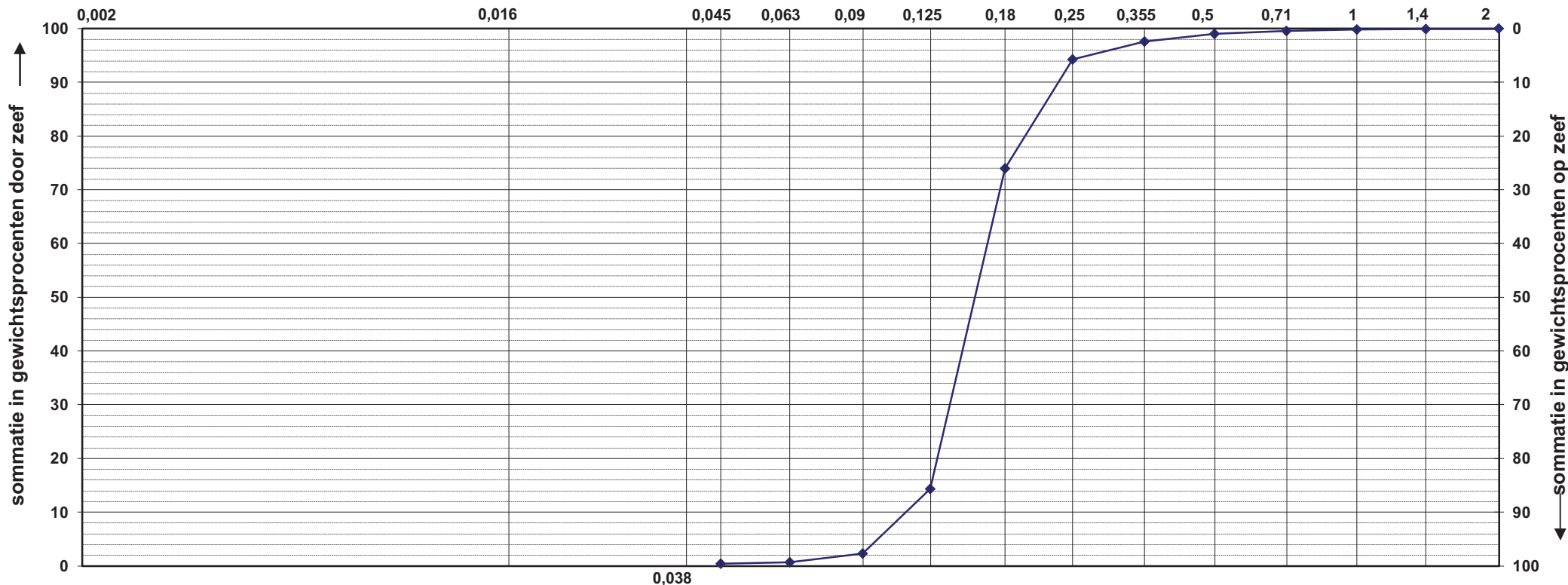
identificatie monster	grind >2 mm %	zand 0.063-2mm %	silt 0,002-0,063mm %	lutum <0,002mm %
19,0-20,0 m-mv	3,4	95,7	-	-

D70 [mm]	D50 [mm]	D60/D10	M50 (0.063-2mm) [mm]	D60/D10 (0.063-2mm)
0,364	0,264	2,3	0,259	2,21

Tabel uitgedrukt in massapercentages
van de stoofdroke grond

opdrachtgever Vander Straaten	monsterklasse : 3	datum: 2-3-2021	boringnummer: B003
laborant: ED	projectleider:	mapnr.: 2021-015	hoogteligging: MV tov NAP: 5,13m
GEMEENTE ROTTERDAM INGENIEURSBUREAU		project: MVJ21031 Vlissingen Oost	
Veld- en Laboratoriummetingen Gww		KORRELGROOTTEVERDELING	

korrelgrootteverdelingsdiagram(inclusief humus, inclusief CaCO₃ en inclusief Fe₂O₃)
 korreldiameter in mm →



samenstelling monster (inclusief humus, CaCO₃ en Fe₂O₃)

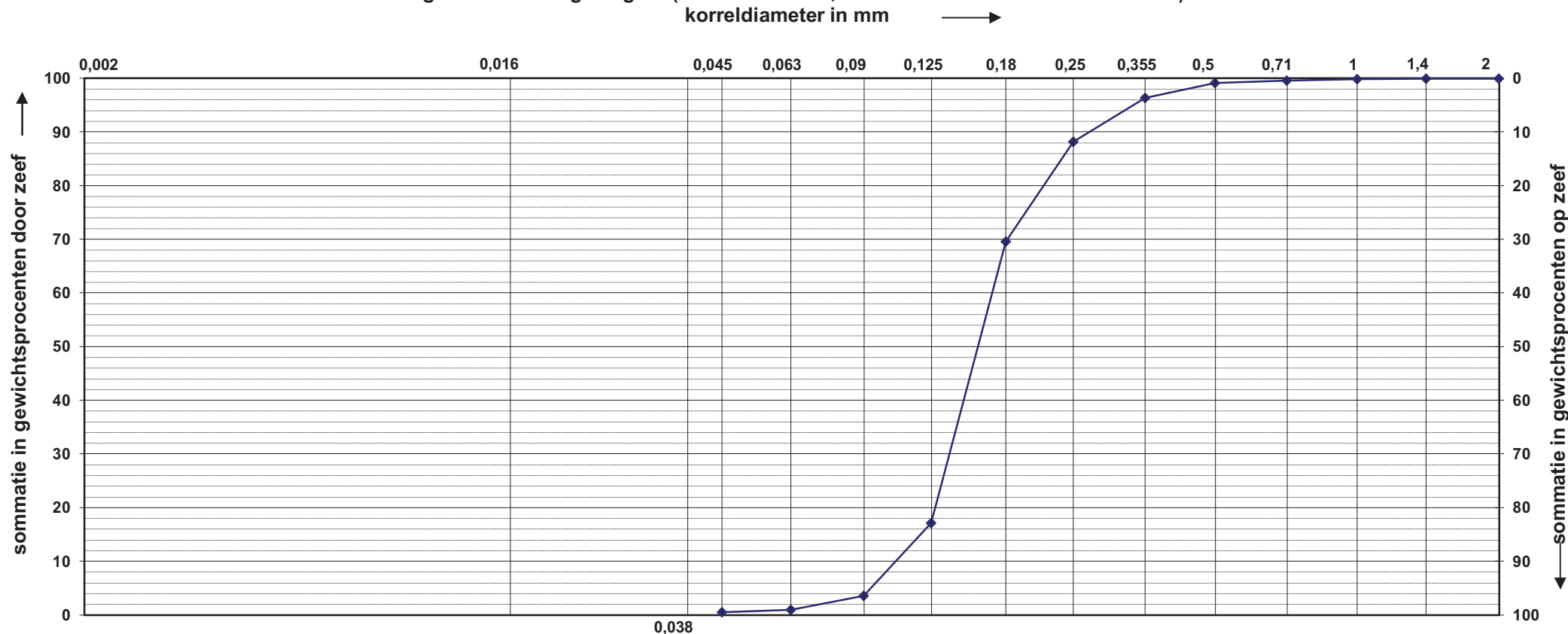
identificatie monster	grind >2 mm %	zand 0.063-2mm %	silt 0,002-0,063mm %	lutum <0,002mm %
21,0-22,0 m-mv	0,0	99,3	-	-

D70 [mm]	D50 [mm]	D60/D10	M50 (0.063-2mm) [mm]	D60/D10 (0.063-2mm)
0,176	0,155	1,5	0,156	1,46

Tabel uitgedrukt in massapercentages
van de stoofdroke grond

opdrachtgever Vander Straaten	monsterklasse : 3	datum: 2-3-2021	boringnummer: B003
laborant: ED	projectleider:	mapnr.: 2021-015	hoogteligging: MV tov NAP: 5,13m
GEMEENTE ROTTERDAM INGENIEURSBUREAU		project: MVJ21031 Vlissingen Oost	
Veld- en Laboratoriummetingen Gww		KORRELGROOTTEVERDELING	

korrelgrootteverdelingsdiagram(inclusief humus, inclusief CaCO₃ en inclusief Fe₂O₃)



samenstelling monster (inclusief humus, CaCO₃ en Fe₂O₃)

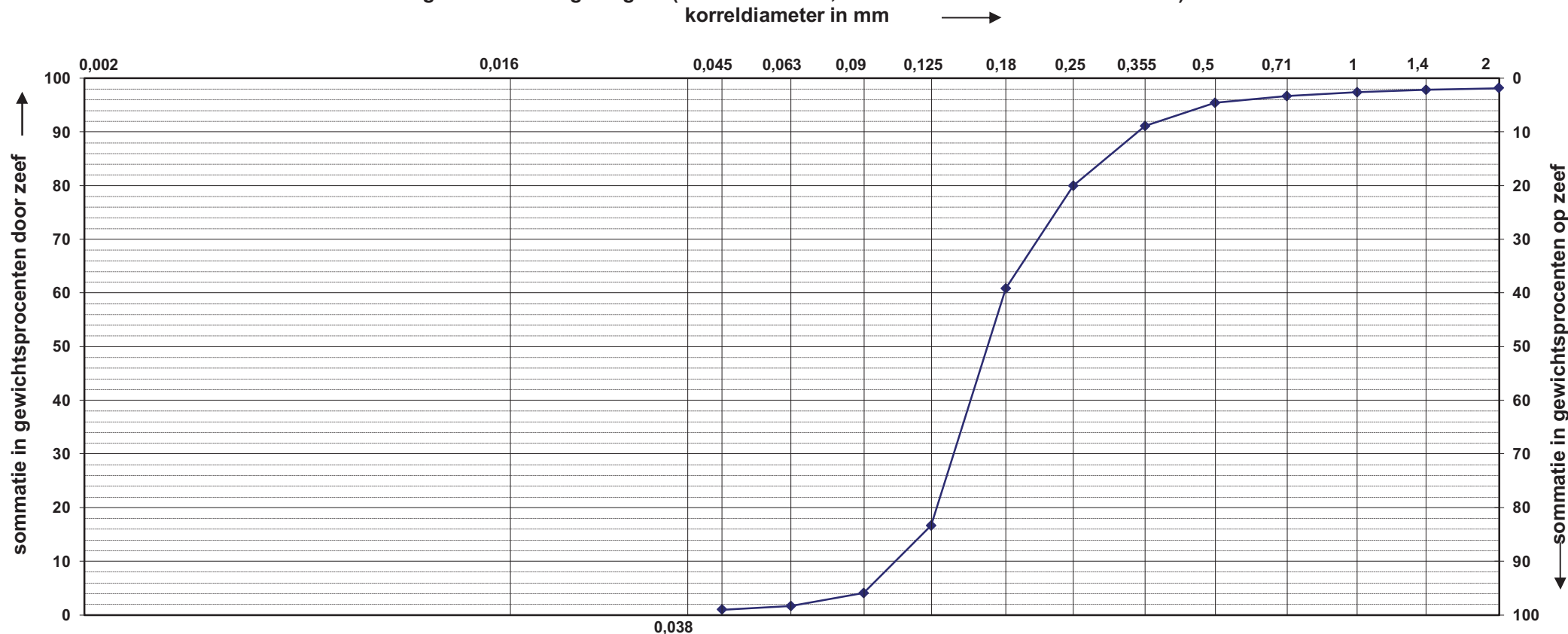
identificatie monster	grind >2 mm %	zand 0.063-2mm %	silt 0,002-0,063mm %	lutum <0,002mm %
23,0-24,0 m-mv	0,1	99,0	-	-

D70 [mm]	D50 [mm]	D60/D10	M50 (0.063-2mm) [mm]	D60/D10 (0.063-2mm)
0,181	0,157	1,6	0,158	1,57

Tabel uitgedrukt in massapercentages
van de stoofdroke grond

opdrachtgever Vander Straaten	monsterklasse : 3	datum: 2-3-2021	boringnummer: B003
laborant: ED	projectleider:	mapnr.: 2021-015	hoogteligging: MV tov NAP: 5,13m
GEMEENTE ROTTERDAM INGENIEURSBUREAU		project: MVJ21031 Vlissingen Oost	
Veld- en Laboratoriummetingen Gww		KORRELGROOTTEVERDELING	

korrelgrootteverdelingsdiagram(inclusief humus, inclusief CaCO₃ en inclusief Fe₂O₃)



samenstelling monster (inclusief humus, CaCO₃ en Fe₂O₃)

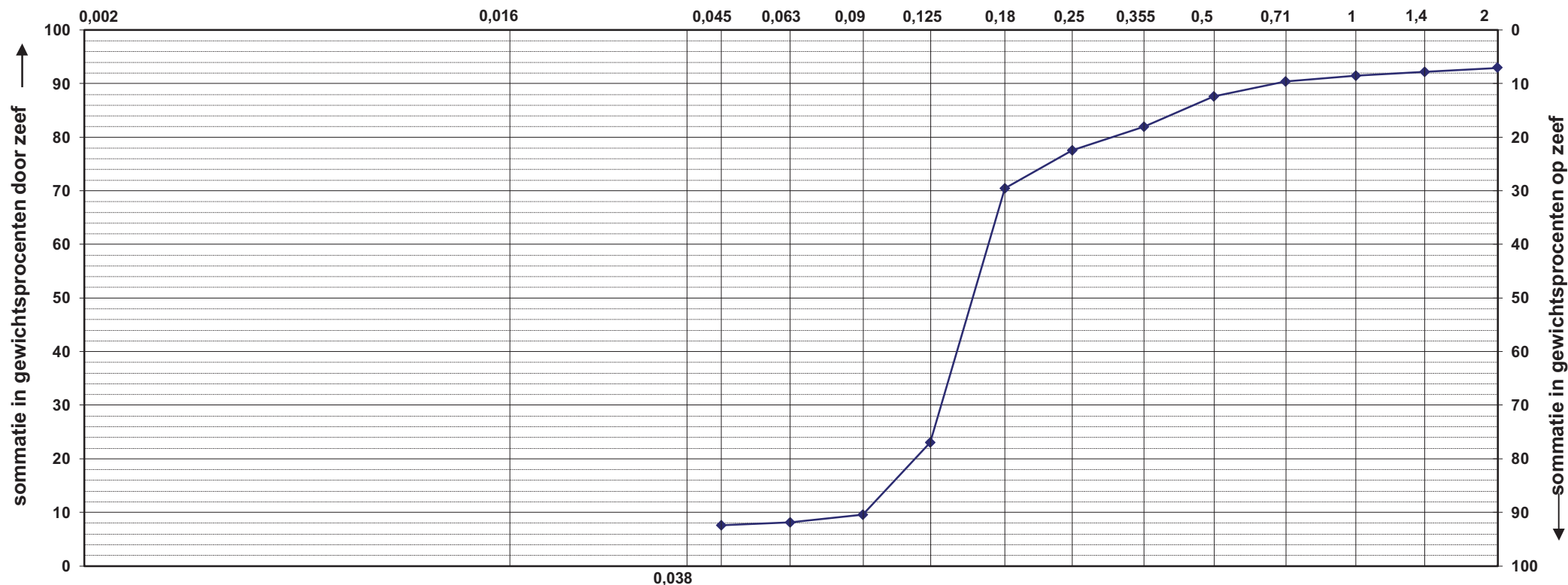
identificatie monster	grind >2 mm %	zand 0.063-2mm %	silt 0,002-0,063mm %	lutum <0,002mm %
25,0-26,0 m-mv	1,8	96,5	-	-

D70 [mm]	D50 [mm]	D60/D10	M50 (0.063-2mm) [mm]	D60/D10 (0.063-2mm)
0,211	0,165	1,7	0,164	1,64

Tabel uitgedrukt in massapercentages
van de stooftroge grond

opdrachtgever Vander Straaten	monsterklasse : 3	datum: 2-3-2021	boringnummer: B003
laborant: ED	projectleider:	mapnr.: 2021-015	hoogteligging: MV tov NAP: 5,13m
GEMEENTE ROTTERDAM INGENIEURSBUREAU		project: MVJ21031 Vlissingen Oost	
Veld- en Laboratoriummetingen Gww		KORRELGROOTTEVERDELING	

korrelgrootteverdelingsdiagram(inclusief humus, inclusief CaCO₃ en inclusief Fe₂O₃)
korreldiameter in mm →



samenstelling monster (inclusief humus, CaCO₃ en Fe₂O₃)

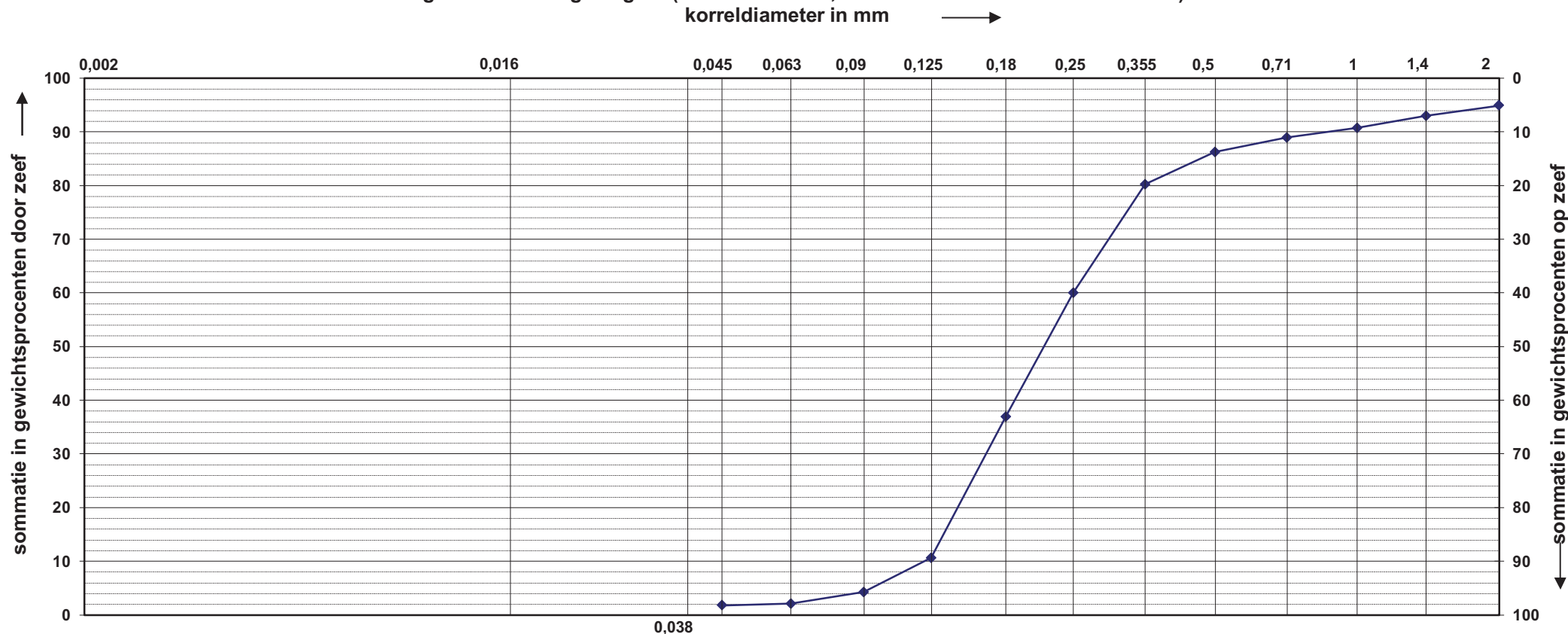
identificatie monster	grind >2 mm %	zand 0.063-2mm %	silt 0,002-0,063mm %	lutum <0,002mm %
33,0-34,0 m-mv	7,0	84,8	-	-

D70 [mm]	D50 [mm]	D60/D10	M50 (0.063-2mm) [mm]	D60/D10 (0.063-2mm)
0,179	0,154	1,8	0,154	1,54

Tabel uitgedrukt in massapercentages
van de stoofdroke grond

opdrachtgever Vander Straaten	monsterklasse : 3	datum: 2-3-2021	boringnummer: B003
laborant: ED	projectleider:	mapnr.: 2021-015	hoogteligging: MV tov NAP: 5,13m
GEMEENTE ROTTERDAM INGENIEURSBUREAU		project: MVJ21031 Vlissingen Oost	
Veld- en Laboratoriummetingen Gww		KORRELGROOTTEVERDELING	

korrelgrootteverdelingsdiagram(inclusief humus, inclusief CaCO₃ en inclusief Fe₂O₃)



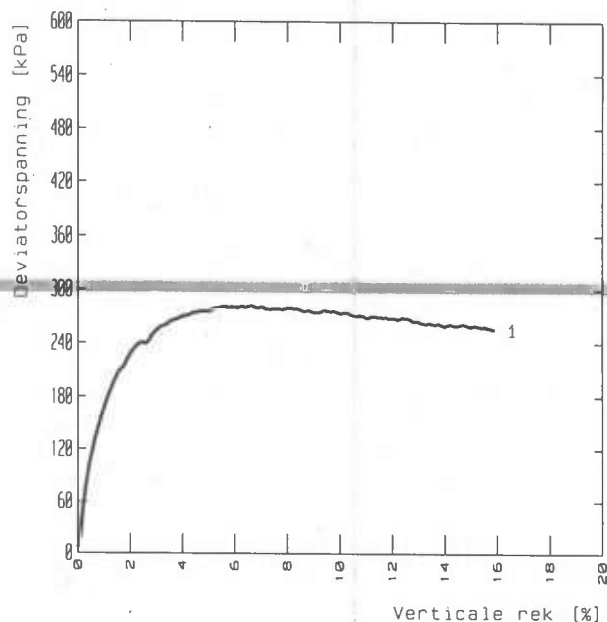
samenstelling monster (inclusief humus, CaCO₃ en Fe₂O₃)

identificatie monster	grind >2 mm %	zand 0.063-2mm %	silt 0,002-0,063mm %	lutum <0,002mm %
37,0-38,0 m-mv	5,1	92,8	-	-

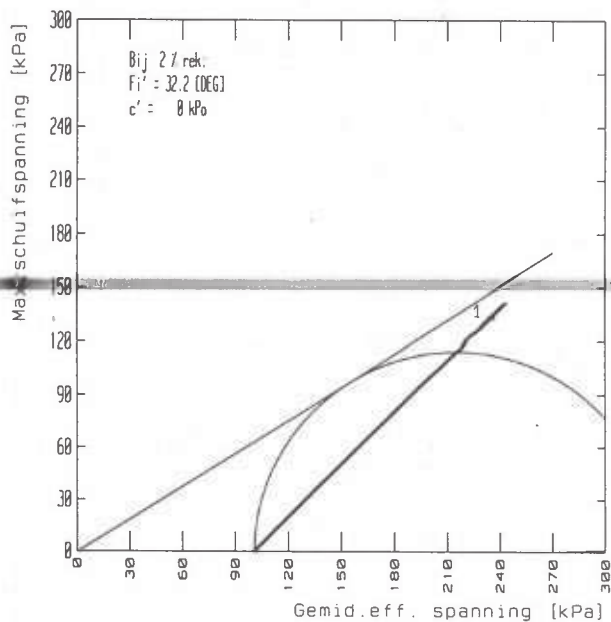
D70 [mm]	D50 [mm]	D60/D10	M50 (0.063-2mm) [mm]	D60/D10 (0.063-2mm)
0,297	0,217	2,1	0,212	1,92

Tabel uitgedrukt in massapercentages
van de stoofdroke grond

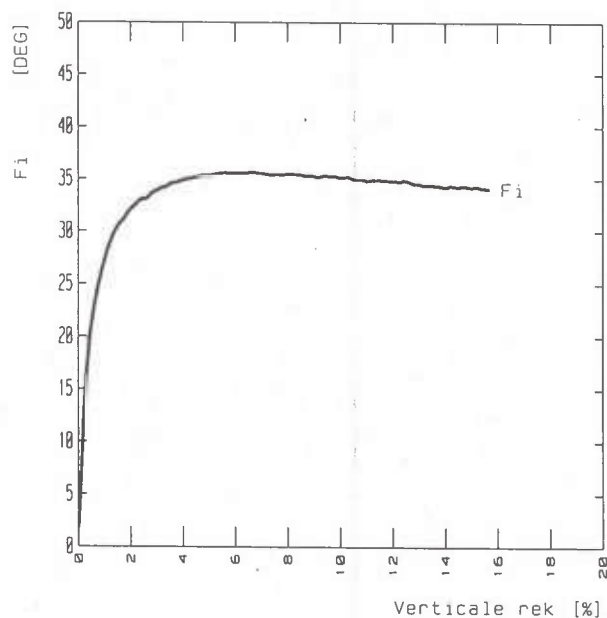
opdrachtgever Vander Straaten	monsterklasse : 3	datum: 2-3-2021	boringnummer: B003
laborant: ED	projectleider:	mapnr.: 2021-015	hoogteligging: MV tov NAP: 5,13m
GEMEENTE ROTTERDAM INGENIEURSBUREAU		project: MVJ21031 Vlissingen Oost	
Veld- en Laboratoriummetingen Gww		KORRELGROOTTEVERDELING	



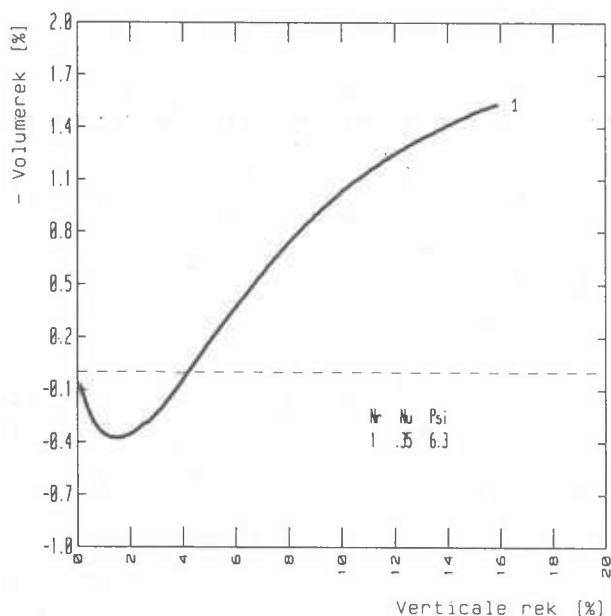
Verloop deviatorspanning



Spanningspad



Mobilisatie curve



Volumerek bij belasten

Monster	VG-nat	VG-droog	w	Consolidatie gegevens		Eps50		E-50	B-waarde	
	kN/m ³	kN/m ³	%	Celldr kPa	Backpr kPa	Tijd uren	dV/V %	kPa		
1	19.0	14.7	29.0	399	300	.7	0.0	+0.8	+18E+03	0.96

Type proef CD : Single stage
 Deformatie 5.5 %/uur
 Laborant E.Middelburg
 Adviseur vd Straaten
 Teamleider

Boring B3 LOS
 Monsterdiepte MV -18.50 m
 Grondsoort Zand2, z si., z gr.
 Monsterklasse 3
 Datum proef 22 Mar 2021
 MV NAP +5.13 m
 NAP -13.37 m
 Print dd 24 Mar 2021
 File: V03T3 P00 L

Gemeentewerken Rotterdam
 Ingenieursbureau
 Veld en Laboratorium Groep

Project : VLISSINGEN OOST
 Quarleshaven mvj21031
 TRIAXIAALPROEF

B3 LOS
 2021-015
 Bijlage

BISGEO_TRIAX : 1
 Boring : B3 LOS
 Diepte NAP : -13.37
 Terrein sp : 0
 Datum : 22 Mar 2021
 Grondcode : Z(2)slg1
 Grondsoort : Zand2, z si., z gr.
 Gn-gem kN/m3 : 19.0
 Gdr-gem kN/m3 : 14.7
 W-gem % : 29.0
 Type proef : CD Uitvoering : S Cohesie 0 : J
 Deelproeven : 1 Monsterklasse : 3 Procedure : -
 Deformatie : 5.5 %/uur
 Bestand : VO3T3.A00

MOBILISATIE GEGEVENS

EA	FI	Coh	P1	Q1	dV1	P2	Q2	dV2	P3	Q3	dV3
%	Deg	kPa	kPa	kPa	%	kPa	kPa	%	kPa	kPa	%
0.0	0.0	0.0	99.0	0.0	0.00	300.0	0.0	0.00	450.0	0.0	0.00
.1	6.7	0.0	112.7	13.1	.08	0.0	0.0	0.00	0.0	0.0	0.00
.2	12.7	0.0	127.1	27.9	.13	0.0	0.0	0.00	0.0	0.0	0.00
.3	16.7	0.0	138.8	39.8	.17	0.0	0.0	0.00	0.0	0.0	0.00
.4	19.5	0.0	148.7	49.7	.21	0.0	0.0	0.00	0.0	0.0	0.00
.5	21.4	0.0	156.0	57.0	.25	0.0	0.0	0.00	0.0	0.0	0.00
.6	23.0	0.0	162.6	63.6	.28	0.0	0.0	0.00	0.0	0.0	0.00
.7	24.3	0.0	168.4	69.4	.30	0.0	0.0	0.00	0.0	0.0	0.00
.8	25.5	0.0	173.7	74.7	.32	0.0	0.0	0.00	0.0	0.0	0.00
.9	26.5	0.0	178.9	79.9	.34	0.0	0.0	0.00	0.0	0.0	0.00
1.0	27.4	0.0	183.4	84.4	.35	0.0	0.0	0.00	0.0	0.0	0.00
1.1	28.3	0.0	188.0	89.0	.36	0.0	0.0	0.00	0.0	0.0	0.00
1.2	28.9	0.0	191.7	92.7	.37	0.0	0.0	0.00	0.0	0.0	0.00
1.3	29.6	0.0	195.6	96.6	.37	0.0	0.0	0.00	0.0	0.0	0.00
1.4	30.1	0.0	199.3	100.0	.37	0.0	0.0	0.00	0.0	0.0	0.00
1.5	30.5	0.0	202.8	103.1	.37	0.0	0.0	0.00	0.0	0.0	0.00
1.6	30.9	0.0	205.4	105.4	.37	0.0	0.0	0.00	0.0	0.0	0.00
1.7	31.1	0.0	206.9	106.9	.37	0.0	0.0	0.00	0.0	0.0	0.00
1.8	31.5	0.0	209.2	109.2	.36	0.0	0.0	0.00	0.0	0.0	0.00
1.9	31.9	0.0	212.2	112.1	.36	0.0	0.0	0.00	0.0	0.0	0.00
2.0	32.2	0.0	215.1	114.5	.35	0.0	0.0	0.00	0.0	0.0	0.00
3.0	33.9	0.0	228.3	127.4	.23	0.0	0.0	0.00	0.0	0.0	0.00
4.0	34.9	0.0	235.9	135.1	.04	0.0	0.0	0.00	0.0	0.0	0.00
5.0	35.3	0.0	239.0	138.2	-.18	0.0	0.0	0.00	0.0	0.0	0.00
6.0	35.5	0.0	241.1	140.1	-.38	0.0	0.0	0.00	0.0	0.0	0.00
7.0	35.5	0.0	241.2	140.2	-.57	0.0	0.0	0.00	0.0	0.0	0.00
8.0	35.5	0.0	240.6	139.6	-.74	0.0	0.0	0.00	0.0	0.0	0.00
9.0	35.2	0.0	238.0	137.3	-.90	0.0	0.0	0.00	0.0	0.0	0.00
10.0	35.1	0.0	237.8	136.8	-1.04	0.0	0.0	0.00	0.0	0.0	0.00
11.0	34.8	0.0	235.3	134.3	-1.15	0.0	0.0	0.00	0.0	0.0	0.00
12.0	34.8	0.0	234.8	133.9	-1.25	0.0	0.0	0.00	0.0	0.0	0.00
13.0	34.5	0.0	233.1	132.1	-1.34	0.0	0.0	0.00	0.0	0.0	0.00
14.0	34.2	0.0	230.6	129.6	-1.42	0.0	0.0	0.00	0.0	0.0	0.00
15.0	34.2	0.0	230.1	129.4	-1.49	0.0	0.0	0.00	0.0	0.0	0.00

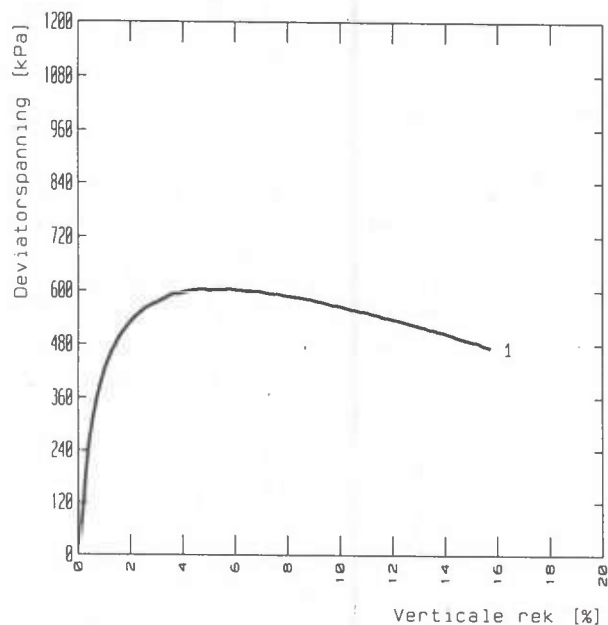
PARAMETERS PER DEELPROEF

Gnat	Gdrg	W	Peff	E50	Eps50	nu	Psi
kN/m3	kN/m3	%	kPa	kPa	%	-	Deg
19.0	14.7	29.0	99	178.2E+2	.8	.35	6.3

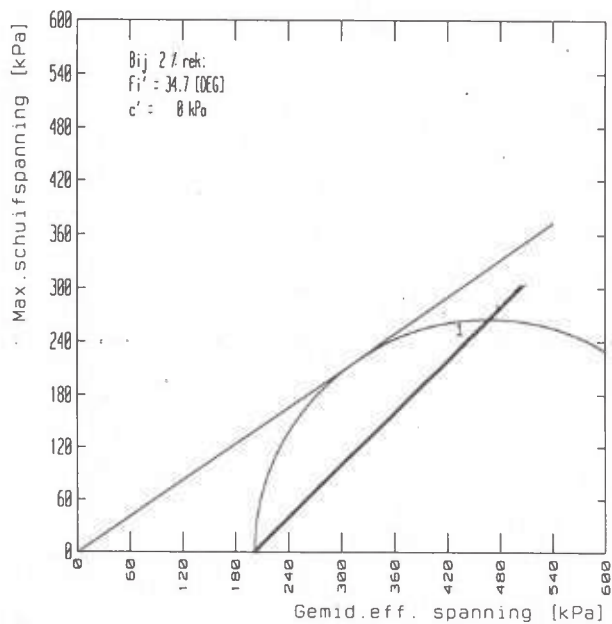
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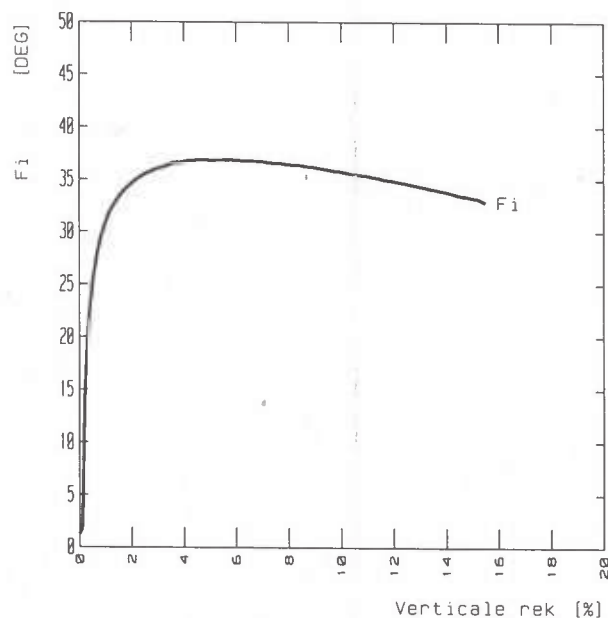
EINDE BESTAND



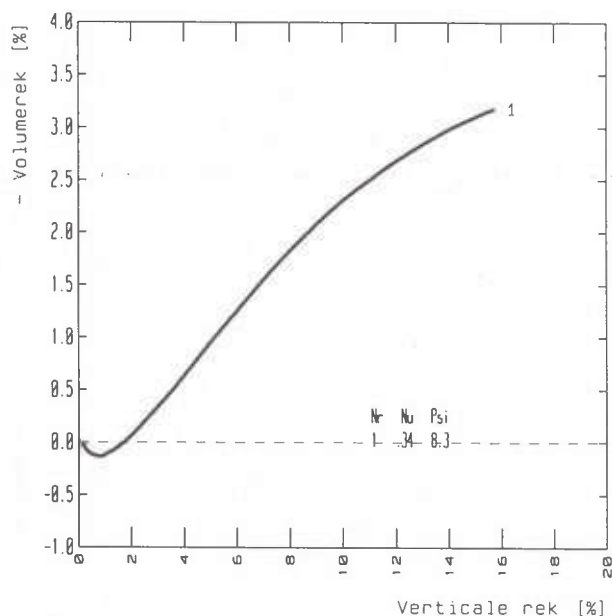
Verloop deviatorspanning



Spanningspad



Mobilisatie curve



Volumerek bij belasten

Monster	VG-nat	VG-droog	w	Consolidatie gegevens				Eps50	E-50	B-waarde
	KN/m3	KN/m3	%	Celdr	Backpr	Tijd	dV/V	%	kPa	
				kPa	kPa	uren	%			
1	19.7	15.8	24.3	499	299	.5	9	+0.5	+59E+03	0.96

Type proef CD : Single stage
 Deformatie 5.4 %/uur
 Laborant E. Middelburg
 Adviseur vd Straaten
 Teamleider

Boring B3 MATIG
 Monsterdiepte MV -18.50 m
 Grondsoort Zand2, z si., z gr.
 Monsterklasse 3
 Datum proef 22 Mar 2021
 MV NAP +5.13 m
 NAP -13.37 m
 Print dd: 24 Mar 2021
 File: V03T4.F00 L

Gemeentewerken Rotterdam
 Ingenieursbureau
 Veld en Laboratorium Groep

Project : VLISSINGEN OOST
 Quarleshaven mvj21031
 TRIAXIAALPROEF

B3 MATIG
 2021-015
 Bijlage

BISGEO_TRIAX : 1
 Boring : B3 MATIG
 Diepte NAP : -13.37
 Terrein' sp : 0
 Datum : 22 Mar 2021
 Grondcode : Z(2)slg1
 Grondsoort : Zand2, z si., z gr.
 Gn-gem kN/m3 : 19.7
 Gdr-gem kN/m3 : 15.8
 W-gem % : 24.3
 Type proef : CD Uitvoering : S Cohesie 0 : J
 Deelproeven : 1 Monsterklasse : 3 Procedure : -
 Deformatie : 5.4 %/uur
 Bestand : VO3T4.A00

MOBILISATIE GEGEVENS

EA	FI	Coh	P1	Q1	dV1	P2	Q2	dV2	P3	Q3	dV3
%	Deg	kPa	kPa	kPa	%	kPa	kPa	%	kPa	kPa	%
0.0	0.0	0.0	200.0	0.0	0.00	300.0	0.0	0.00	450.0	0.0	0.00
.1	1.8	0.0	204.1	6.4	-.03	0.0	0.0	0.00	0.0	0.0	0.00
.2	14.5	0.0	265.2	66.2	.04	0.0	0.0	0.00	0.0	0.0	0.00
.3	19.8	0.0	301.3	102.2	.07	0.0	0.0	0.00	0.0	0.0	0.00
.4	23.2	0.0	328.9	129.4	.10	0.0	0.0	0.00	0.0	0.0	0.00
.5	25.4	0.0	349.2	149.5	.11	0.0	0.0	0.00	0.0	0.0	0.00
.6	27.0	0.0	365.2	165.9	.12	0.0	0.0	0.00	0.0	0.0	0.00
.7	28.3	0.0	378.9	179.9	.12	0.0	0.0	0.00	0.0	0.0	0.00
.8	29.5	0.0	391.5	192.5	.13	0.0	0.0	0.00	0.0	0.0	0.00
.9	30.3	0.0	403.0	203.3	.13	0.0	0.0	0.00	0.0	0.0	0.00
1.0	31.0	0.0	413.0	212.9	.11	0.0	0.0	0.00	0.0	0.0	0.00
1.1	31.7	0.0	421.2	221.1	.09	0.0	0.0	0.00	0.0	0.0	0.00
1.2	32.2	0.0	428.0	228.0	.08	0.0	0.0	0.00	0.0	0.0	0.00
1.3	32.6	0.0	433.7	233.7	.07	0.0	0.0	0.00	0.0	0.0	0.00
1.4	33.0	0.0	439.6	239.4	.05	0.0	0.0	0.00	0.0	0.0	0.00
1.5	33.4	0.0	445.4	245.1	.03	0.0	0.0	0.00	0.0	0.0	0.00
1.6	33.7	0.0	450.8	250.1	.01	0.0	0.0	0.00	0.0	0.0	0.00
1.7	34.0	0.0	455.3	254.4	-.01	0.0	0.0	0.00	0.0	0.0	0.00
1.8	34.2	0.0	459.4	258.4	-.03	0.0	0.0	0.00	0.0	0.0	0.00
1.9	34.5	0.0	463.2	262.2	-.05	0.0	0.0	0.00	0.0	0.0	0.00
2.0	34.7	0.0	466.7	265.7	-.07	0.0	0.0	0.00	0.0	0.0	0.00
3.0	36.1	0.0	487.7	287.4	-.35	0.0	0.0	0.00	0.0	0.0	0.00
4.0	36.7	0.0	499.1	298.4	-.64	0.0	0.0	0.00	0.0	0.0	0.00
5.0	36.8	0.0	501.6	300.6	-.96	0.0	0.0	0.00	0.0	0.0	0.00
6.0	36.8	0.0	501.9	300.9	-1.26	0.0	0.0	0.00	0.0	0.0	0.00
7.0	36.7	0.0	499.7	298.7	-1.56	0.0	0.0	0.00	0.0	0.0	0.00
8.0	36.4	0.0	495.0	294.0	-1.83	0.0	0.0	0.00	0.0	0.0	0.00
9.0	36.2	0.0	490.2	289.2	-2.09	0.0	0.0	0.00	0.0	0.0	0.00
10.0	35.8	0.0	483.7	282.7	-2.31	0.0	0.0	0.00	0.0	0.0	0.00
11.0	35.4	0.0	477.2	276.2	-2.50	0.0	0.0	0.00	0.0	0.0	0.00
12.0	34.9	0.0	469.3	268.3	-2.69	0.0	0.0	0.00	0.0	0.0	0.00
13.0	34.4	0.0	461.4	260.4	-2.84	0.0	0.0	0.00	0.0	0.0	0.00
14.0	33.9	0.0	453.7	252.7	-2.99	0.0	0.0	0.00	0.0	0.0	0.00
15.0	33.3	0.0	443.1	243.1	-3.10	0.0	0.0	0.00	0.0	0.0	0.00

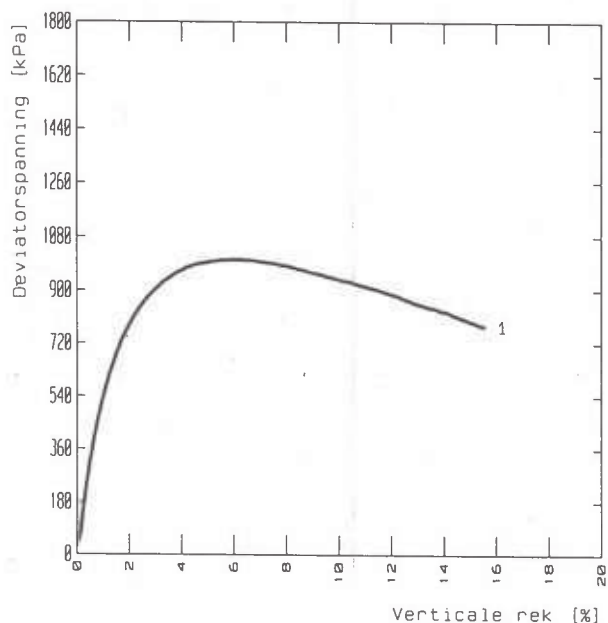
PARAMETERS PER DEELPROEF

Gnat	Gdrg	W	Peff	E50	Eps50	nu	Psi
kN/m3	kN/m3	%	kPa	kPa	%	-	Deg
19.7	15.8	24.3	200	590.9E+2	.5	.34	8.3

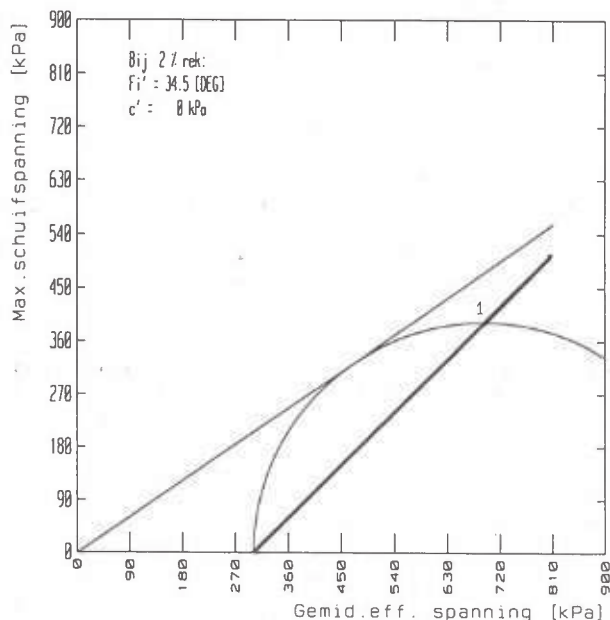
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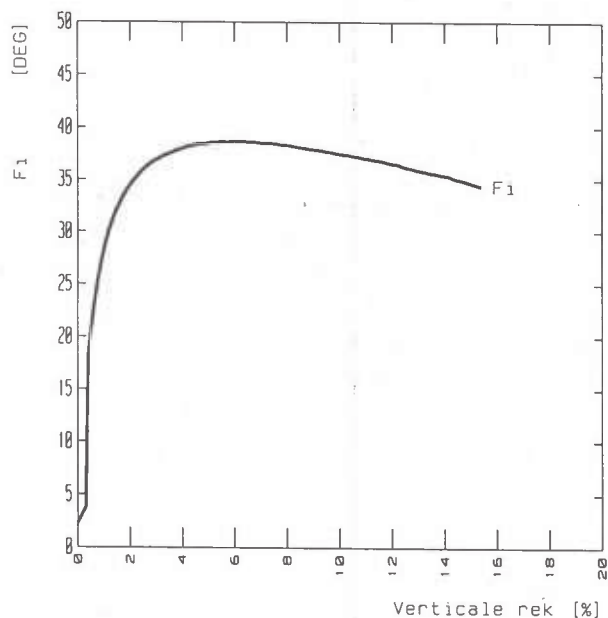
EINDE BESTAND



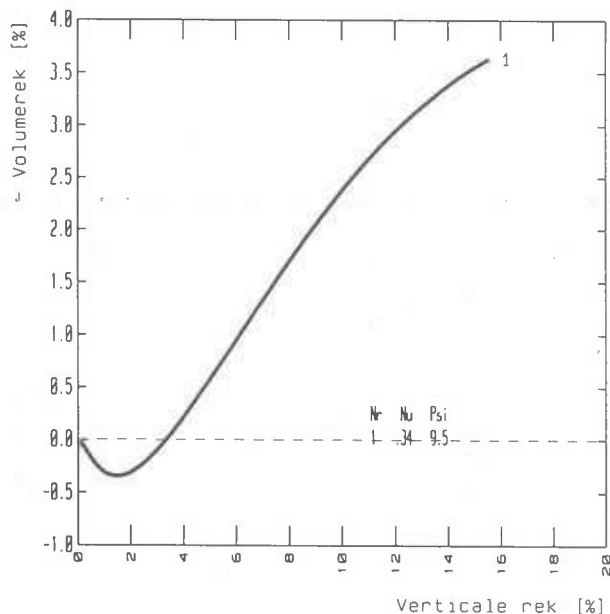
Verloop deviatorspanning



Spanningspad



Mobilisatie curve



Volumerek bij belasten

Monster	VG-nat	VG-droog	w	Consolidatie gegevens				Eps50	E-50	B-waarde
	kN/m ³	kN/m ³	%	Celldr	Backpr	Tijd	dV/V	%	kPa	
				kPa	kPa	uren	%			
1	20.5	17.2	19.2	599	299	.8	1.2	+0.9	+55E+03	0.96

Type proef CD : Single stage
 Deformatie 5.3 %/uur
 Laborant E.Middelburg
 Adviseur vd Straaten
 Teamleider

Boring B3 VAST
 Monsterdiepte MV -18.50 m
 Grondsoort Zand2, z si., z gr.
 Monsterklasse 3
 Datum proef 22 Mar 2021

MV NAP +5.13 m
 NAP -13.37 m

Print dd 24 Mar 2021
 File V03T5.F00 L

Gemeentewerken Rotterdam
 Ingenieursbureau
 Veld en Laboratorium Groep

Project : VLISSINGEN OOST
 Quarleshaven mvj21031
 TRIAXIAALPROEF

B3 VAST
 2021-015
 Bijlage

BISGEO_TRIAX : 1
 Boring : B3 VAST
 Diepte NAP : -13.37
 Terrein sp : 0
 Datum : 22 Mar 2021
 Grondcode : Z(2)slg1
 Grondsoort : Zand2, z si., z gr.
 Gn-gem kN/m3 : 20.5
 Gdr-gem kN/m3 : 17.2
 W-gem % : 19.2
 Type proef : CD Uitvoering : S Cohesie 0 : J
 Deelproeven : 1 Monsterklasse : 3 Procedure : -
 Deformatie : 5.3 %/uur
 Bestand : VO3T5.A00

MOBILISATIE GEGEVENS

EA	FI	Coh	P1	Q1	dV1	P2	Q2	dV2	P3	Q3	dV3
%	Deg	kPa	kPa	kPa	%	kPa	kPa	%	kPa	kPa	%
0.0	0.0	0.0	300.0	0.0	0.00	300.0	0.0	0.00	450.0	0.0	0.00
.1	2.8	0.0	309.2	15.1	.02	0.0	0.0	0.00	0.0	0.0	0.00
.2	3.3	0.0	310.8	17.9	.03	0.0	0.0	0.00	0.0	0.0	0.00
.3	3.8	0.0	312.5	20.7	.03	0.0	0.0	0.00	0.0	0.0	0.00
.4	18.3	0.0	435.4	136.7	.14	0.0	0.0	0.00	0.0	0.0	0.00
.5	20.8	0.0	464.1	165.1	.17	0.0	0.0	0.00	0.0	0.0	0.00
.6	22.9	0.0	489.0	190.0	.21	0.0	0.0	0.00	0.0	0.0	0.00
.7	24.6	0.0	511.6	212.6	.24	0.0	0.0	0.00	0.0	0.0	0.00
.8	26.1	0.0	533.6	234.6	.26	0.0	0.0	0.00	0.0	0.0	0.00
.9	27.3	0.0	552.8	253.8	.29	0.0	0.0	0.00	0.0	0.0	0.00
1.0	28.5	0.0	571.5	272.5	.30	0.0	0.0	0.00	0.0	0.0	0.00
1.1	29.4	0.0	587.7	288.7	.32	0.0	0.0	0.00	0.0	0.0	0.00
1.2	30.3	0.0	603.5	304.5	.33	0.0	0.0	0.00	0.0	0.0	0.00
1.3	31.0	0.0	617.5	318.5	.33	0.0	0.0	0.00	0.0	0.0	0.00
1.4	31.7	0.0	630.6	331.5	.34	0.0	0.0	0.00	0.0	0.0	0.00
1.5	32.3	0.0	643.3	343.7	.34	0.0	0.0	0.00	0.0	0.0	0.00
1.6	32.8	0.0	654.5	354.5	.34	0.0	0.0	0.00	0.0	0.0	0.00
1.7	33.3	0.0	665.9	365.9	.33	0.0	0.0	0.00	0.0	0.0	0.00
1.8	33.8	0.0	675.2	375.2	.32	0.0	0.0	0.00	0.0	0.0	0.00
1.9	34.2	0.0	684.7	384.7	.31	0.0	0.0	0.00	0.0	0.0	0.00
2.0	34.5	0.0	692.7	392.7	.30	0.0	0.0	0.00	0.0	0.0	0.00
3.0	36.9	0.0	753.1	452.7	.09	0.0	0.0	0.00	0.0	0.0	0.00
4.0	38.0	0.0	785.7	484.0	-.23	0.0	0.0	0.00	0.0	0.0	0.00
5.0	38.5	0.0	799.6	497.6	-.58	0.0	0.0	0.00	0.0	0.0	0.00
6.0	38.7	0.0	803.9	502.2	-.96	0.0	0.0	0.00	0.0	0.0	0.00
7.0	38.5	0.0	801.2	498.9	-1.34	0.0	0.0	0.00	0.0	0.0	0.00
8.0	38.3	0.0	793.6	492.0	-1.71	0.0	0.0	0.00	0.0	0.0	0.00
9.0	37.9	0.0	782.1	480.1	-2.06	0.0	0.0	0.00	0.0	0.0	0.00
10.0	37.5	0.0	771.0	469.0	-2.39	0.0	0.0	0.00	0.0	0.0	0.00
11.0	37.0	0.0	758.9	457.2	-2.69	0.0	0.0	0.00	0.0	0.0	0.00
12.0	36.5	0.0	746.3	444.3	-2.96	0.0	0.0	0.00	0.0	0.0	0.00
13.0	35.9	0.0	729.5	427.9	-3.19	0.0	0.0	0.00	0.0	0.0	0.00
14.0	35.4	0.0	716.7	415.4	-3.39	0.0	0.0	0.00	0.0	0.0	0.00
15.0	34.7	0.0	700.2	398.4	-3.56	0.0	0.0	0.00	0.0	0.0	0.00

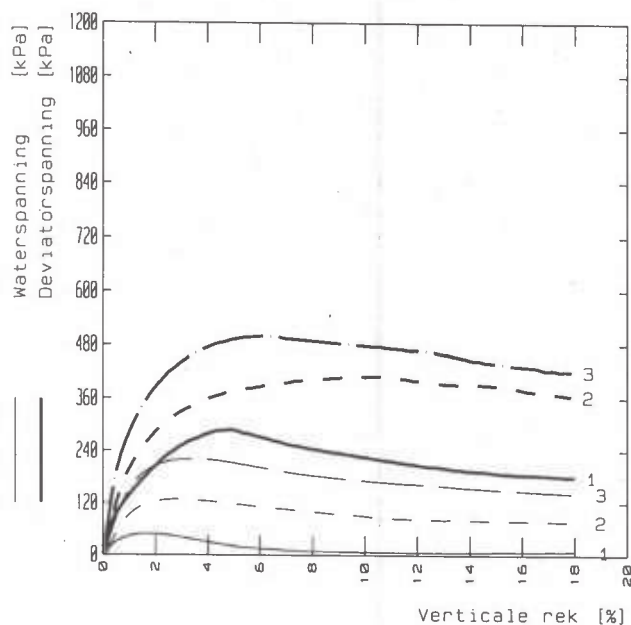
PARAMETERS PER DEELPROEF

Gnat	Gdrg	W	Peff	E50	Eps50	nu	Psi
kN/m3	kN/m3	%	kPa	kPa	%	-	Deg
20.5	17.2	19.2	300	548.0E+2	.9	.34	9.5

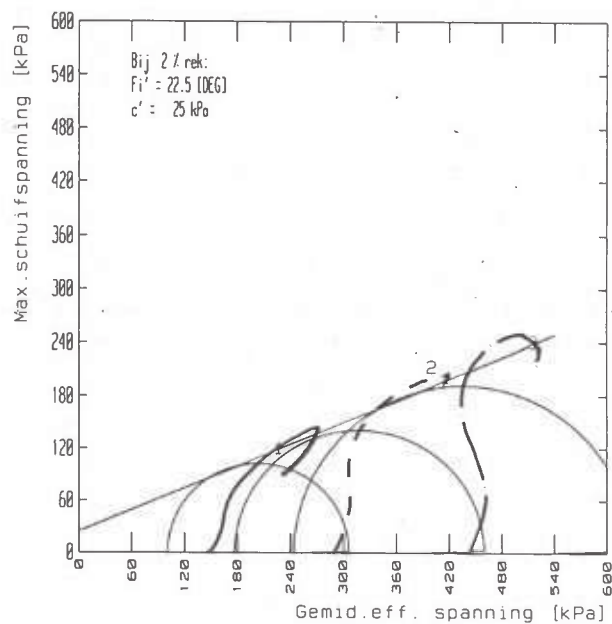
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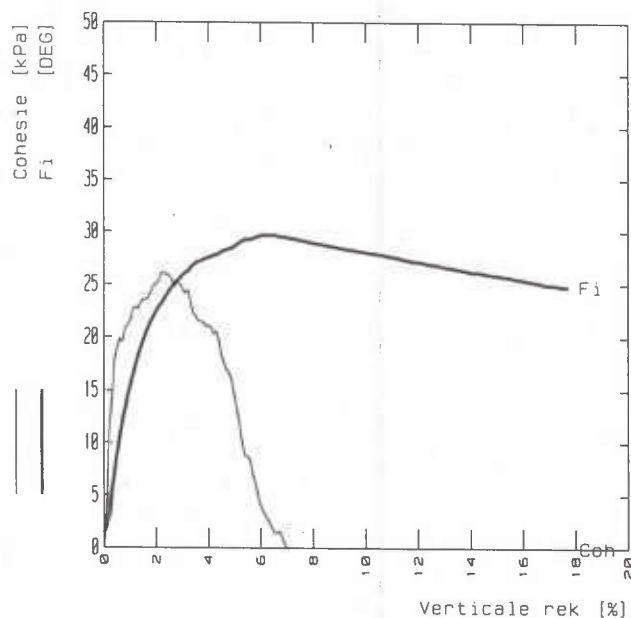
EINDE BESTAND



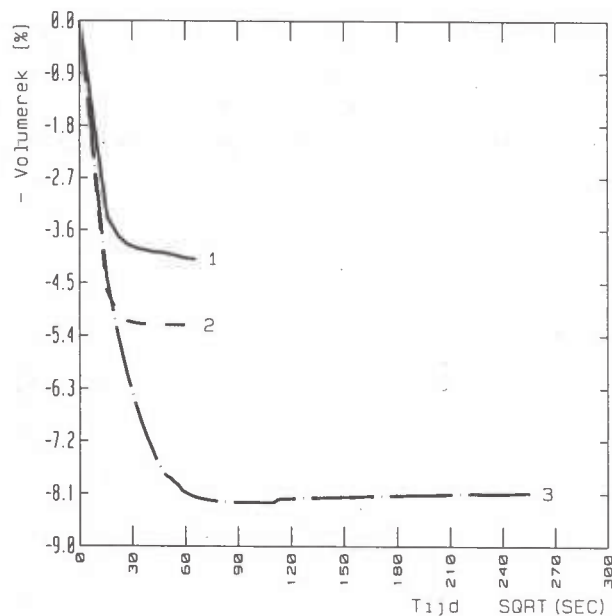
Verloop deviator- en waterspanning



Spanningspad



Mobilisatie curve



Verloop isotrope consolidatie

Monster	VG-nat kN/m ³	VG-droog kN/m ³	w %	Consolidatie Celdr kPa	gegevens Backpr kPa	Tijd uren	dV/V %	Eps50 %	E-50 kPa	B-waarde
1	19.7	16.1	22.8	449	300	1.2	4.1	+1.1	+13E+03	0.97
2	20.2	16.7	21.3	599	300	1.1	5.2	+1.1	+18E+03	0.97
3	19.7	15.4	27.9	749	299	18.2	8.1	+0.9	+29E+03	0.96

Type proef CU : Single stage
 Deformatie 5.4 %/uur
 Laborant E.Middelburg
 Adviseur vd Straaten
 Teamleider

Boring B3
 Monsterdiepte MV -28.70 m
 Grondsoort Klei, z za., z hu.
 Monsterklasse 1
 Datum proef 17 Mar 2021

MV NAP +5.13 m
 NAP -23.57 m

Print dd: 24 Mar 2021
 File: V03T1 F00 L

Gemeentewerken Rotterdam
 Ingenieursbureau
 Veld en Laboratorium Groep

Project : VLISSINGEN OOST
 Quarleshaven mvj21031
 TRIAXIAALPROEF

B3
 2021-015
 Bijlage

BISGEO_TRIAX : 1
 Boring : B3
 Diepte NAP : -23.57
 Terrein sp : 0
 Datum : 17 Mar 2021
 Grondcode : Kz1h1
 Grondsoort : Klei, z za., z hu.
 Gn-gem kN/m3 : 19.9
 Gdr-gem kN/m3 : 16.0
 W-gem % : 24.0
 Type proef : CU Uitvoering : S Cohesie 0 : N
 Deelproeven : 3 Monsterklasse : 1 Procedure : -
 Deformatie : 5.4 %/uur
 Bestand : VO3T1.A00

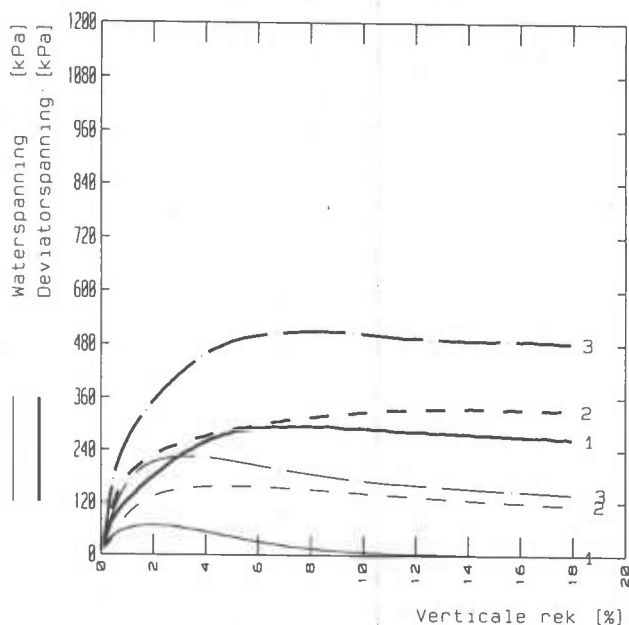
MOBILISATIE GEGEVENS

EA	FI	Coh	P1	Q1	dV1	P2	Q2	dV2	P3	Q3	dV3
%	Deg	kPa	kPa	kPa	%	kPa	kPa	%	kPa	kPa	%
0.0	0.0	0.0	149.0	0.0	0.00	299.0	0.0	0.00	450.0	0.0	0.00
.1	2.1	3.7	155.0	10.9	0.00	294.6	11.6	0.00	451.0	21.5	0.00
.2	3.2	11.6	160.8	24.7	0.00	298.4	20.8	0.00	457.5	41.0	0.00
.3	5.7	14.7	163.6	36.1	0.00	303.4	34.7	0.00	461.5	64.9	0.00
.4	7.4	18.0	164.8	43.3	0.00	307.1	49.4	0.00	459.6	81.0	0.00
.5	9.2	19.1	165.9	48.8	0.00	308.0	61.2	0.00	455.8	94.9	0.00
.6	10.7	19.8	167.1	53.3	0.00	308.0	71.0	0.00	452.1	106.1	0.00
.7	12.2	19.7	168.5	57.7	0.00	307.2	78.9	0.00	448.4	116.9	0.00
.8	13.3	20.9	170.4	62.0	0.00	306.6	86.4	0.00	445.0	125.4	0.00
.9	14.5	21.1	172.2	65.9	0.00	306.1	93.1	0.00	441.5	133.5	0.00
1.0	15.6	21.6	173.9	69.6	0.00	306.1	98.8	0.00	438.8	140.7	0.00
1.1	16.5	22.7	176.5	73.7	0.00	306.7	104.5	0.00	436.9	147.5	0.00
1.2	17.4	22.9	179.3	77.5	0.00	307.3	109.6	0.00	435.4	154.0	0.00
1.3	18.3	22.7	181.9	80.5	0.00	307.9	114.7	0.00	434.1	159.8	0.00
1.4	19.0	23.3	184.7	84.1	0.00	308.7	119.1	0.00	433.7	165.3	0.00
1.5	19.7	23.6	187.8	87.6	0.00	309.8	123.1	0.00	433.4	170.6	0.00
1.6	20.5	23.6	190.6	90.6	0.00	311.5	127.2	0.00	433.2	175.4	0.00
1.7	21.0	23.9	193.7	93.7	0.00	313.0	130.8	0.00	433.7	179.8	0.00
1.8	21.6	24.4	197.2	97.2	0.00	314.5	134.5	0.00	434.2	184.3	0.00
1.9	22.0	24.9	200.3	100.3	0.00	316.0	137.8	0.00	434.7	188.3	0.00
2.0	22.5	25.1	203.2	102.9	0.00	318.0	141.4	0.00	435.7	192.0	0.00
3.0	25.9	24.6	234.1	126.5	0.00	336.2	164.8	0.00	449.4	220.4	0.00
4.0	27.6	21.2	257.8	140.2	0.00	354.3	179.0	0.00	466.8	236.6	0.00
5.0	28.7	14.4	271.0	144.0	0.00	369.7	187.9	0.00	483.9	246.1	0.00
6.0	29.7	3.9	269.2	136.3	0.00	381.1	193.0	0.00	497.7	249.5	0.00
7.0	29.5	0.0	265.1	128.3	0.00	391.8	197.6	0.00	505.8	246.9	0.00
8.0	29.0	0.0	261.5	122.5	0.00	400.2	200.7	0.00	511.5	244.2	0.00
9.0	28.5	0.0	258.8	118.1	0.00	408.5	203.1	0.00	514.9	241.5	0.00
10.0	28.1	0.0	255.2	113.4	0.00	413.9	204.6	0.00	517.6	238.9	0.00
11.0	27.7	0.0	250.8	108.8	0.00	418.3	204.3	0.00	519.6	236.2	0.00
12.0	27.2	0.0	247.2	104.2	0.00	416.7	200.0	0.00	522.0	234.0	0.00
13.0	26.7	0.0	243.8	100.9	0.00	414.6	196.6	0.00	521.8	229.8	0.00
14.0	26.2	0.0	240.0	97.5	0.00	414.5	195.5	0.00	520.7	223.6	0.00
15.0	25.9	0.0	236.8	95.2	0.00	414.1	194.3	0.00	520.0	219.9	0.00

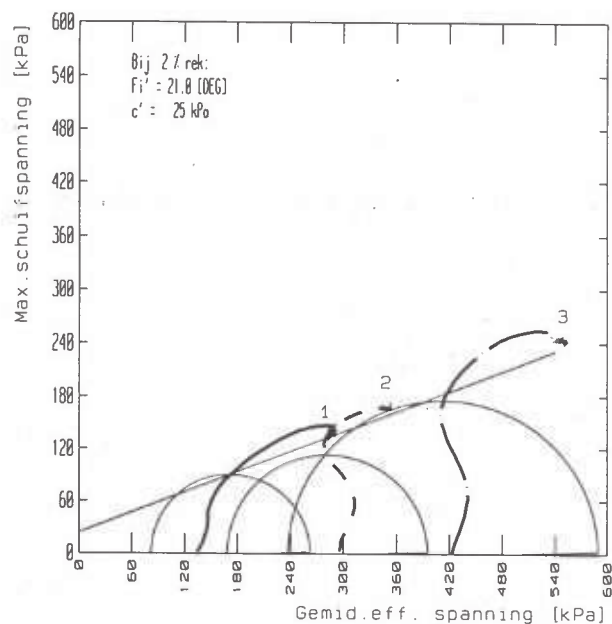
PARAMETERS PER DEELPROEF

Gnat	Gdrg	W	Peff	E50	Eps50	nu	Psi
kN/m3	kN/m3	%	kPa	kPa	%	-	Deg
19.7	16.1	22.8	149	134.9E+2	1.1	.50	0.0
20.2	16.7	21.3	299	182.9E+2	1.1	.50	0.0
19.7	15.4	27.9	450	289.6E+2	.9	.50	0.0

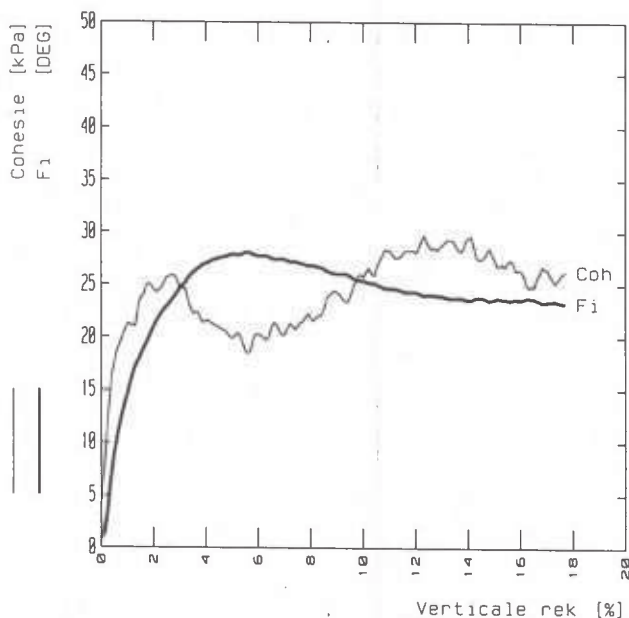
EINDE BESTAND



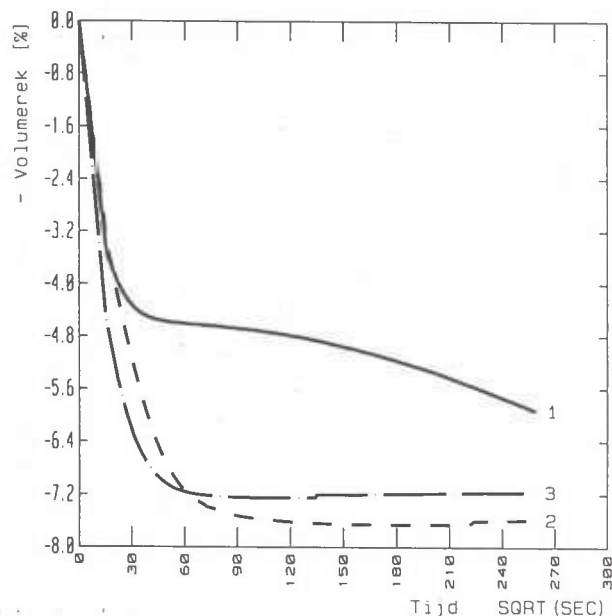
Verloop deviator- en waterspanning



Spanningspad



Mobilisatie curve



Verloop isotrope consolidatie

Monster	VG-nat	VG-droog	w	Consolidatie gegevens		Eps50	E-50	B-waarde	
	kN/m ³	kN/m ³	%	Celldr kPa	Backpr kPa	Tijd uren	dV/V %	%	kPa
1	20.2	16.3	23.8	449	300	18.6	5.9	+1.5	+10E+03
2	20.3	16.7	21.5	599	299	18.5	7.6	+1.0	+17E+03
3	20.2	16.5	22.2	749	299	18.4	7.2	+1.0	+26E+03

Type proef CU : Single stage
 Deformatie 5.5 %/uur
 Laborant E.Middelburg
 Adviseur vd Straaten
 Teamleider

Boring B3
 Monsterdiepte MV -30.40 m
 Grondsoort Klei, z za., z hu.
 Monsterklasse 1
 Datum proef 18 Mar 2021

MV NAP +5.13 m
 NAP -25.27 m

Print op 24 Mar 2021
 File: V03T2 F00 L

Gemeentewerken Rotterdam
 Ingenieursbureau
 Veld en Laboratorium Groep

Project : VLISSINGEN OOST
 Quarleshaven mvj21031
 TRIAXIAALPROEF

B3
 2021-015
 Bijlage

BISGEO_TRIAX : 1
 Boring : B3
 Diepte NAP : -25.27
 Terrein sp : 0
 Datum : 18 Mar 2021
 Grondcode : Kz1h1
 Grondsoort : Klei, z za., z hu.
 Gn-gem kN/m3 : 20.2
 Gdr-gem kN/m3 : 16.5
 W-gem % : 22.5
 Type proef : CU Uitvoering : S Cohesie 0 : N
 Deelproeven : 3 Monsterklasse : 1 Procedure : -
 Deformatie : 5.5 %/uur
 Bestand : VO3T2.A00

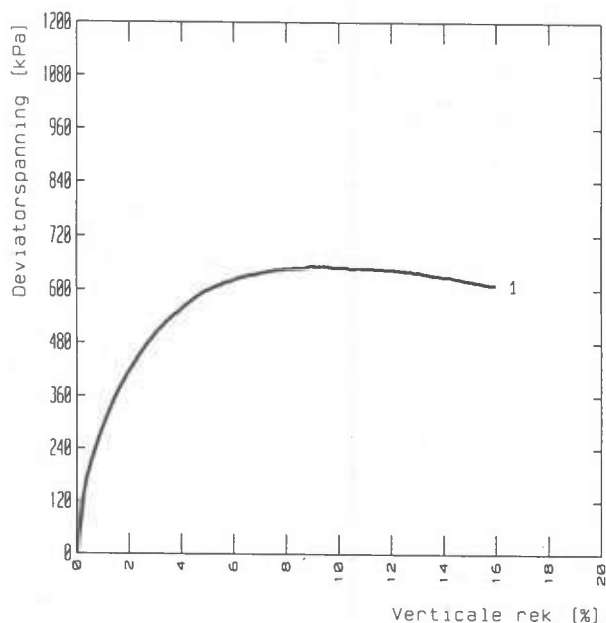
MOBILISATIE GEGEVENS

EA	FI	Coh	P1	Q1	dV1	P2	Q2	dV2	P3	Q3	dV3
%	Deg	kPa	kPa	kPa	%	kPa	kPa	%	kPa	kPa	%
0.0	0.0	0.0	149.0	0.0	0.00	300.0	0.0	0.00	450.0	0.0	0.00
.1	1.4	7.2	139.1	11.2	0.00	296.5	12.8	0.00	428.3	18.2	0.00
.2	3.0	11.1	142.7	20.7	0.00	300.7	21.8	0.00	434.6	36.2	0.00
.3	5.4	14.1	145.4	31.2	0.00	307.3	35.8	0.00	440.1	59.8	0.00
.4	7.5	16.5	146.0	38.5	0.00	312.1	49.8	0.00	439.6	77.6	0.00
.5	9.2	17.8	146.0	43.8	0.00	312.7	60.6	0.00	435.6	91.1	0.00
.6	10.6	18.8	146.4	48.2	0.00	311.0	68.8	0.00	431.4	101.6	0.00
.7	11.9	19.4	147.6	52.2	0.00	308.4	75.3	0.00	427.3	110.7	0.00
.8	12.9	20.1	148.6	55.9	0.00	305.4	80.5	0.00	423.4	118.2	0.00
.9	13.9	20.7	149.8	59.4	0.00	302.5	85.0	0.00	419.6	125.2	0.00
1.0	14.7	21.3	151.3	62.6	0.00	299.7	88.9	0.00	417.2	131.2	0.00
1.1	15.7	21.2	152.5	65.4	0.00	296.9	92.7	0.00	415.1	137.3	0.00
1.2	16.6	21.2	153.8	67.9	0.00	294.2	95.9	0.00	413.5	142.6	0.00
1.3	17.4	21.1	155.6	70.6	0.00	291.4	98.3	0.00	411.9	147.6	0.00
1.4	17.8	22.8	157.6	74.3	0.00	289.3	100.9	0.00	410.9	152.0	0.00
1.5	18.3	23.8	159.8	77.5	0.00	287.4	103.5	0.00	410.3	156.5	0.00
1.6	18.9	24.0	161.6	79.9	0.00	285.7	105.8	0.00	410.1	160.5	0.00
1.7	19.4	24.9	164.2	82.9	0.00	284.6	107.9	0.00	410.0	164.1	0.00
1.8	19.9	25.1	166.6	85.6	0.00	283.3	109.9	0.00	410.6	168.2	0.00
1.9	20.5	24.9	169.1	87.9	0.00	282.1	111.7	0.00	411.8	172.0	0.00
2.0	21.0	24.6	171.6	90.3	0.00	281.3	113.3	0.00	412.9	175.9	0.00
3.0	24.7	24.8	198.9	113.5	0.00	277.7	126.7	0.00	431.2	206.6	0.00
4.0	27.0	21.6	225.5	130.1	0.00	280.8	135.8	0.00	454.7	228.6	0.00
5.0	27.9	19.9	247.9	141.1	0.00	287.3	143.0	0.00	477.1	242.4	0.00
6.0	27.8	20.3	264.0	145.8	0.00	293.8	149.3	0.00	494.9	249.3	0.00
7.0	27.4	20.3	273.6	146.7	0.00	302.2	154.2	0.00	508.3	252.6	0.00
8.0	26.9	21.8	280.9	147.5	0.00	309.0	157.7	0.00	519.5	254.3	0.00
9.0	26.1	24.3	284.7	146.7	0.00	316.7	161.4	0.00	527.5	253.6	0.00
10.0	25.4	25.8	287.1	145.1	0.00	323.1	163.8	0.00	532.3	251.7	0.00
11.0	24.7	28.3	287.1	143.0	0.00	329.6	166.6	0.00	535.5	248.9	0.00
12.0	24.4	28.1	287.4	141.4	0.00	334.7	167.2	0.00	538.6	247.2	0.00
13.0	24.0	28.9	287.6	140.5	0.00	338.6	167.6	0.00	541.0	245.6	0.00
14.0	23.6	29.6	287.0	139.0	0.00	343.3	168.3	0.00	543.7	243.9	0.00
15.0	23.6	27.5	287.1	137.4	0.00	345.2	167.2	0.00	546.7	243.5	0.00

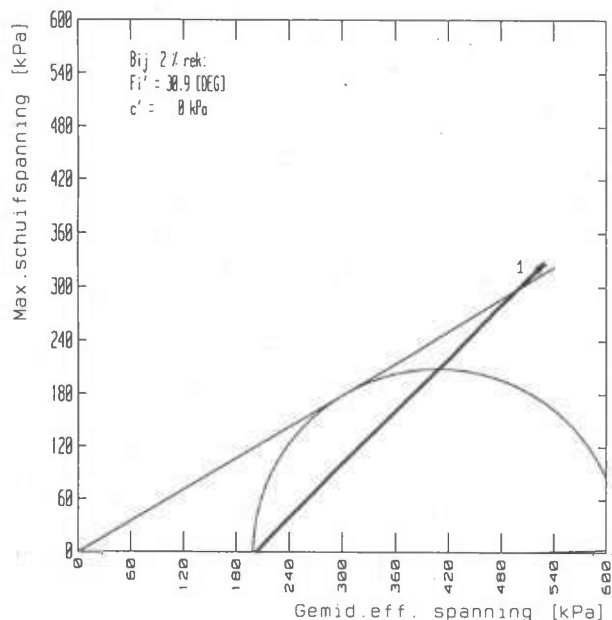
PARAMETERS PER DEELPROEF

Gnat	Gdrg	W	Peff	E50	Eps50	nu	Psi
kN/m3	kN/m3	%	kPa	kPa	%	-	Deg
20.2	16.3	23.8	149	999.7E+1	1.5	.50	0.0
20.3	16.7	21.5	300	171.1E+2	1.0	.50	0.0
20.2	16.5	22.2	450	259.9E+2	1.0	.50	0.0

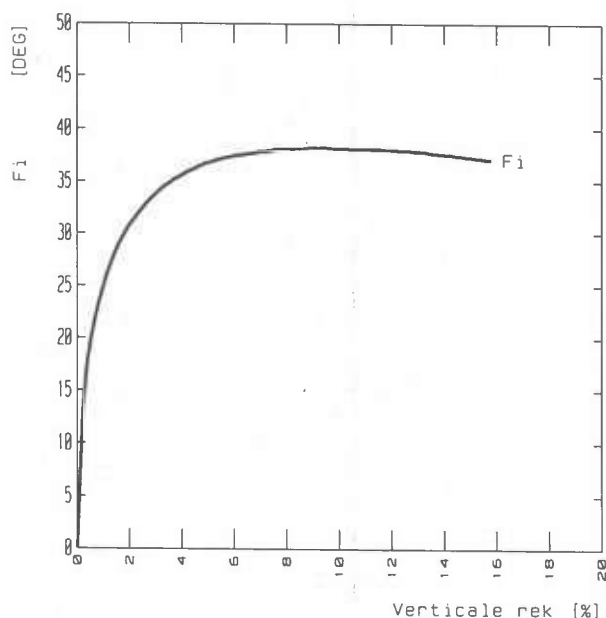
EINDE BESTAND



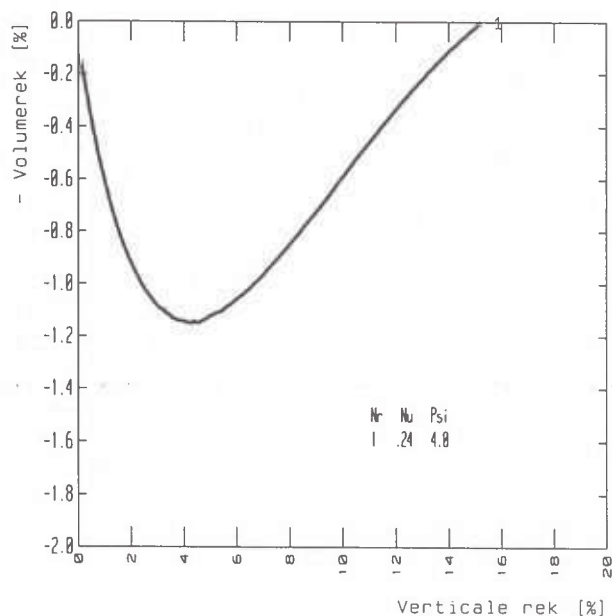
Verloop deviatorspanning



Spanningspad



Mobilisatie curve



Volumerek bij belasten

Monster	VG-nat	VG-droog	w	Consolidatie gegevens				Eps50	E-50	B-waarde	
	kN/m3	kN/m3	%	Celldr kPa	Backpr kPa	Tijd uren	dV/V %	%	kPa		
1	18.5	14.0	32.4	399	201	1.1	2.1	+1.3	+25E+03	0.96	

Type proef	CD ; Single stage	Boring	B3 LOS	MV NAP	+5.13 m.
Deformatie	5.5 %/uur	Monsterdiepte	MV -41.50 m	NAP	-36.37 m
Laborant	E.Middelburg	Grondsoort	Zand2, z si., z hu.		
Adviseur	vd Straaten	Monsterklasse	3		
Teamleider		Datum proef	19 Mar 2021		

Printed on: 24 Mar 2021
File: V03T6 F00 L

Gemeentewerken Rotterdam
Ingenieursbureau
Veld en Laboratorium Groep

Project : VLISSINGEN OOST
Quarleshaven mvj21031
TRIAXIAALPROEF

B3 LOS
2021-015
Bijlage

BISGEO_TRIAX : 1
 Boring : B3 LOS
 Diepte NAP : -36.37
 Terrein sp : 0
 Datum : 19 Mar 2021
 Grondcode : Z(2)slh1
 Grondsoort : Zand2, z si., z hu.
 Gn-gem kN/m3 : 18.5
 Gdr-gem kN/m3 : 14.0
 W-gem % : 32.4
 Type proef : CD Uitvoering : S Cohesie 0 : J
 Deelproeven : 1 Monsterklasse : 3 Procedure : -
 Deformatie : 5.5 %/uur
 Bestand : VO3T6.A00

MOBILISATIE GEGEVENS

EA	FI	Coh	P1	Q1	dV1	P2	Q2	dV2	P3	Q3	dV3
%	Deg	kPa	kPa	kPa	%	kPa	kPa	%	kPa	kPa	%
0.0	0.0	0.0	198.0	0.0	0.00	300.0	0.0	0.00	450.0	0.0	0.00
.1	6.5	0.0	225.3	25.3	.16	0.0	0.0	0.00	0.0	0.0	0.00
.2	12.7	0.0	255.3	56.2	.21	0.0	0.0	0.00	0.0	0.0	0.00
.3	16.3	0.0	275.7	77.4	.27	0.0	0.0	0.00	0.0	0.0	0.00
.4	18.3	0.0	288.0	90.4	.32	0.0	0.0	0.00	0.0	0.0	0.00
.5	19.8	0.0	299.4	101.5	.38	0.0	0.0	0.00	0.0	0.0	0.00
.6	21.1	0.0	309.4	111.4	.43	0.0	0.0	0.00	0.0	0.0	0.00
.7	22.3	0.0	318.5	120.8	.48	0.0	0.0	0.00	0.0	0.0	0.00
.8	23.3	0.0	327.7	129.8	.53	0.0	0.0	0.00	0.0	0.0	0.00
.9	24.3	0.0	336.6	138.3	.57	0.0	0.0	0.00	0.0	0.0	0.00
1.0	25.1	0.0	344.2	146.2	.61	0.0	0.0	0.00	0.0	0.0	0.00
1.1	26.0	0.0	352.1	154.1	.65	0.0	0.0	0.00	0.0	0.0	0.00
1.2	26.7	0.0	359.6	161.3	.69	0.0	0.0	0.00	0.0	0.0	0.00
1.3	27.3	0.0	366.4	168.1	.72	0.0	0.0	0.00	0.0	0.0	0.00
1.4	28.0	0.0	373.7	175.6	.76	0.0	0.0	0.00	0.0	0.0	0.00
1.5	28.6	0.0	380.5	182.2	.79	0.0	0.0	0.00	0.0	0.0	0.00
1.6	29.1	0.0	386.5	188.2	.82	0.0	0.0	0.00	0.0	0.0	0.00
1.7	29.6	0.0	391.9	193.6	.85	0.0	0.0	0.00	0.0	0.0	0.00
1.8	30.0	0.0	397.5	199.0	.87	0.0	0.0	0.00	0.0	0.0	0.00
1.9	30.5	0.0	402.7	204.4	.90	0.0	0.0	0.00	0.0	0.0	0.00
2.0	30.9	0.0	408.2	209.5	.92	0.0	0.0	0.00	0.0	0.0	0.00
3.0	33.8	0.0	449.9	250.6	1.08	0.0	0.0	0.00	0.0	0.0	0.00
4.0	35.7	0.0	477.8	278.5	1.14	0.0	0.0	0.00	0.0	0.0	0.00
5.0	36.8	0.0	499.7	299.6	1.12	0.0	0.0	0.00	0.0	0.0	0.00
6.0	37.5	0.0	511.3	311.3	1.05	0.0	0.0	0.00	0.0	0.0	0.00
7.0	37.9	0.0	519.8	319.1	.96	0.0	0.0	0.00	0.0	0.0	0.00
8.0	38.1	0.0	524.3	323.7	.85	0.0	0.0	0.00	0.0	0.0	0.00
9.0	38.2	0.0	527.4	326.4	.72	0.0	0.0	0.00	0.0	0.0	0.00
10.0	38.1	0.0	525.8	324.8	.59	0.0	0.0	0.00	0.0	0.0	0.00
11.0	38.1	0.0	524.7	323.7	.46	0.0	0.0	0.00	0.0	0.0	0.00
12.0	38.0	0.0	523.4	322.4	.33	0.0	0.0	0.00	0.0	0.0	0.00
13.0	37.9	0.0	520.4	319.4	.22	0.0	0.0	0.00	0.0	0.0	0.00
14.0	37.6	0.0	515.4	314.4	.11	0.0	0.0	0.00	0.0	0.0	0.00
15.0	37.3	0.0	510.4	309.4	.02	0.0	0.0	0.00	0.0	0.0	0.00

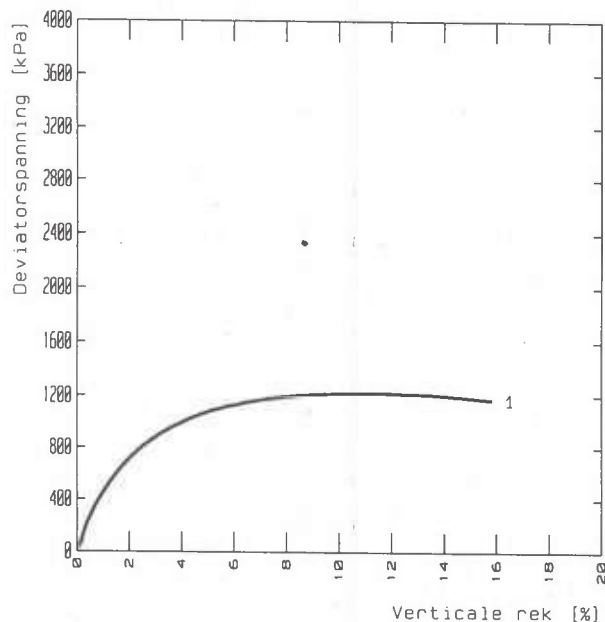
PARAMETERS PER DEELPROEF

Gnat	Gdrg	W	Peff	E50	Eps50	nu	Psi
kN/m3	kN/m3	%	kPa	kPa	%	-	Deg
18.5	14.0	32.4	198	252.2E+2	1.3	.24	4.0

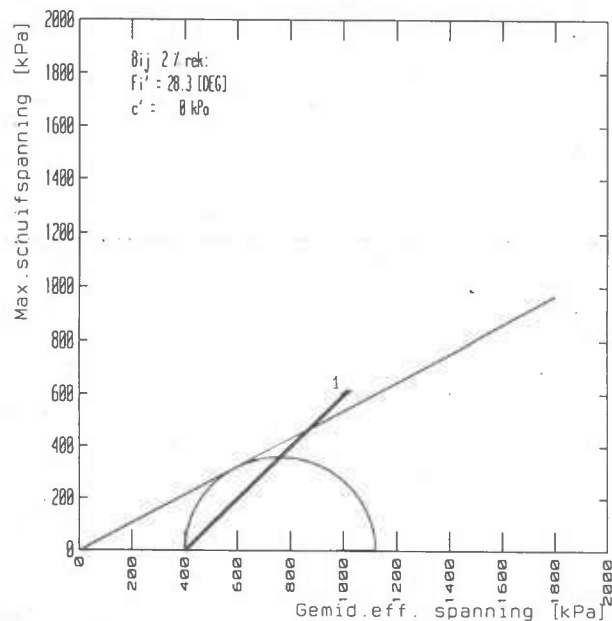
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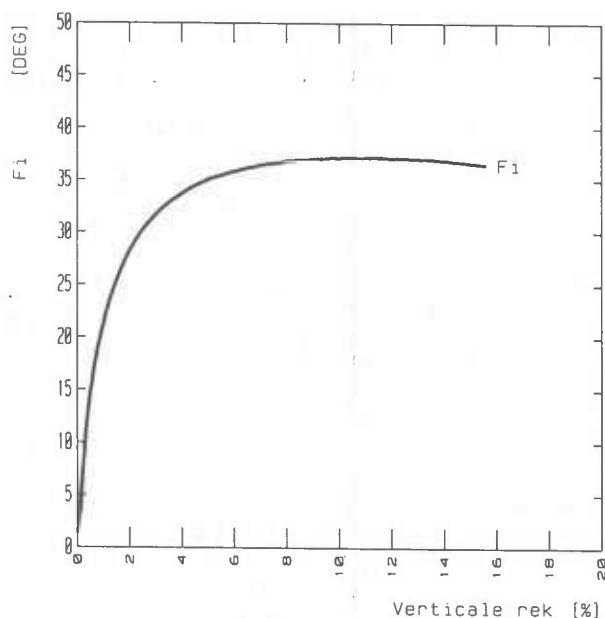
EINDE BESTAND



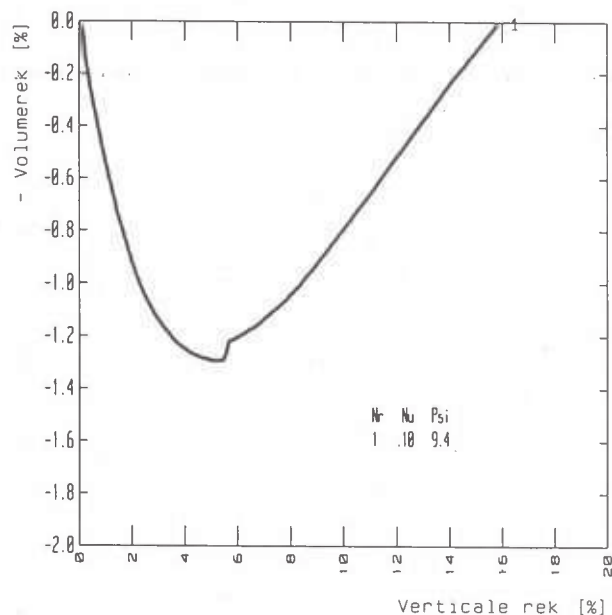
Verloop deviatorspanning



Spanningspad



Mobilisatie curve



Volumerek bij belasten

Monster	VG-nat	VG-droog	w	Consolidatie gegevens		Eps50		E-50	B-waarde
	kN/m ³	kN/m ³	%	Celdr kPa	Backpr kPa	Tijd uren	dV/V %	kPa	
1	18.8	14.5	30.0	599	199	.6	2.4	+1.6 +39E+03	0.96

Type proef CD : Single stage
 Deformatie 5.3 %/uur
 Laborant E.Middelburg
 Adviseur vd Straaten
 Teamleider

Boring B3 MATIG
 Monsterdiepte MV -41.50 m
 Grondsoort Zand2, z si., z hu.
 Monsterklasse 3
 Datum proef 22 Mar 2021
 MV NAP +5.13 m
 NAP -36.37 m
 Print dd: 24 Mar 2021
 File V0377 F00 L

Gemeentewerken Rotterdam
 Ingenieursbureau
 Veld en Laboratorium Groep

Project : VLISSINGEN OOST
 Quarleshaven mvj21031
 TRIAXIAALPROEF

B3 MATIG
 2021-015
 Bijlage

BISGEO_TRIAX : 1
 Boring : B3 MATIG
 Diepte NAP : -36.37
 Terrein sp : 0
 Datum : 22 Mar 2021
 Grondcode : Z(2)slh1
 Grondsoort : Zand2, z si., z hu.
 Gn-gem kN/m3 : 18.8
 Gdr-gem kN/m3 : 14.5
 W-gem % : 30.0
 Type proef : CD Uitvoering : S Cohesie 0 : J
 Deelproeven : 1 Monsterklasse : 3 Procedure : -
 Deformatie : 5.3 %/uur
 Bestand : VO3T7.A00

MOBILISATIE GEGEVENS

EA	FI	Coh	P1	Q1	dV1	P2	Q2	dV2	P3	Q3	dV3
%	Deg	kPa	kPa	kPa	%	kPa	kPa	%	kPa	kPa	%
0.0	0.0	0.0	400.0	0.0	0.00	300.0	0.0	0.00	450.0	0.0	0.00
.1	3.8	0.0	426.9	27.9	.03	0.0	0.0	0.00	0.0	0.0	0.00
.2	7.7	0.0	460.1	61.4	.12	0.0	0.0	0.00	0.0	0.0	0.00
.3	10.9	0.0	491.5	92.9	.19	0.0	0.0	0.00	0.0	0.0	0.00
.4	13.2	0.0	516.9	118.1	.25	0.0	0.0	0.00	0.0	0.0	0.00
.5	15.0	0.0	538.9	139.9	.30	0.0	0.0	0.00	0.0	0.0	0.00
.6	16.7	0.0	560.4	161.4	.35	0.0	0.0	0.00	0.0	0.0	0.00
.7	18.2	0.0	579.3	180.5	.40	0.0	0.0	0.00	0.0	0.0	0.00
.8	19.4	0.0	597.1	198.4	.45	0.0	0.0	0.00	0.0	0.0	0.00
.9	20.5	0.0	613.6	214.8	.50	0.0	0.0	0.00	0.0	0.0	0.00
1.0	21.5	0.0	630.1	230.8	.55	0.0	0.0	0.00	0.0	0.0	0.00
1.1	22.5	0.0	645.8	246.7	.59	0.0	0.0	0.00	0.0	0.0	0.00
1.2	23.3	0.0	660.0	261.4	.63	0.0	0.0	0.00	0.0	0.0	0.00
1.3	24.1	0.0	674.5	275.6	.67	0.0	0.0	0.00	0.0	0.0	0.00
1.4	24.8	0.0	687.8	288.8	.72	0.0	0.0	0.00	0.0	0.0	0.00
1.5	25.5	0.0	700.8	301.8	.76	0.0	0.0	0.00	0.0	0.0	0.00
1.6	26.1	0.0	713.4	314.4	.79	0.0	0.0	0.00	0.0	0.0	0.00
1.7	26.7	0.0	725.3	326.3	.82	0.0	0.0	0.00	0.0	0.0	0.00
1.8	27.3	0.0	736.7	337.7	.86	0.0	0.0	0.00	0.0	0.0	0.00
1.9	27.8	0.0	748.1	348.9	.89	0.0	0.0	0.00	0.0	0.0	0.00
2.0	28.3	0.0	759.4	360.1	.92	0.0	0.0	0.00	0.0	0.0	0.00
3.0	31.7	0.0	841.3	442.3	1.14	0.0	0.0	0.00	0.0	0.0	0.00
4.0	33.7	0.0	897.7	498.4	1.25	0.0	0.0	0.00	0.0	0.0	0.00
5.0	35.1	0.0	939.0	539.7	1.29	0.0	0.0	0.00	0.0	0.0	0.00
6.0	35.9	0.0	965.7	565.7	1.20	0.0	0.0	0.00	0.0	0.0	0.00
7.0	36.5	0.0	985.6	585.6	1.13	0.0	0.0	0.00	0.0	0.0	0.00
8.0	36.8	0.0	998.0	598.5	1.04	0.0	0.0	0.00	0.0	0.0	0.00
9.0	37.0	0.0	1006.8	606.1	.92	0.0	0.0	0.00	0.0	0.0	0.00
10.0	37.1	0.0	1010.7	609.8	.79	0.0	0.0	0.00	0.0	0.0	0.00
11.0	37.2	0.0	1012.7	611.7	.66	0.0	0.0	0.00	0.0	0.0	0.00
12.0	37.1	0.0	1010.8	609.9	.51	0.0	0.0	0.00	0.0	0.0	0.00
13.0	37.0	0.0	1007.9	607.3	.37	0.0	0.0	0.00	0.0	0.0	0.00
14.0	36.9	0.0	1003.3	602.0	.23	0.0	0.0	0.00	0.0	0.0	0.00
15.0	36.6	0.0	993.8	592.8	.11	0.0	0.0	0.00	0.0	0.0	0.00

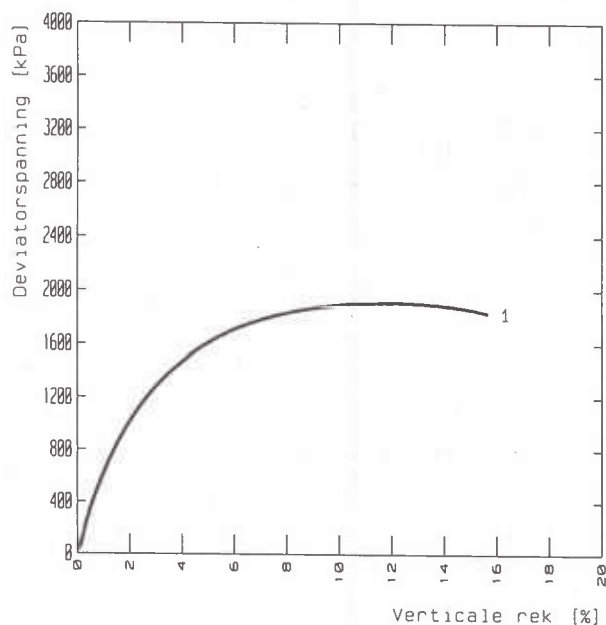
PARAMETERS PER DEELPROEF

Gnat	Gdrg	W	Peff	E50	Eps50	nu	Psi
kN/m3	kN/m3	%	kPa	kPa	%	-	Deg
18.8	14.5	30.0	400	393.6E+2	1.6	.10	9.4

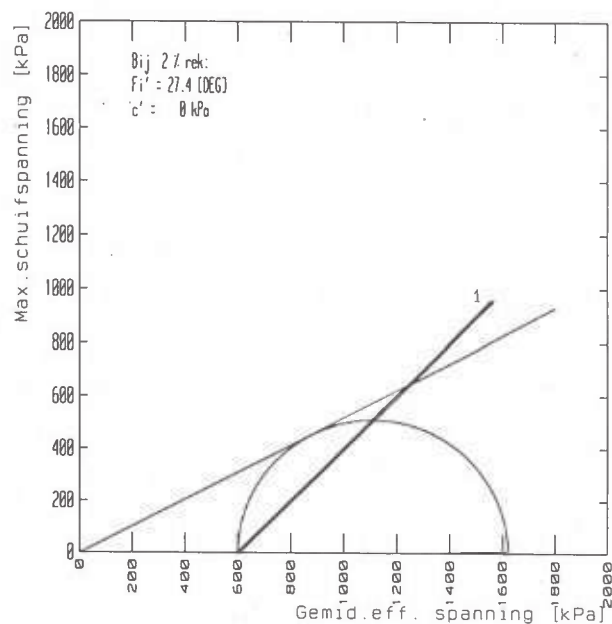
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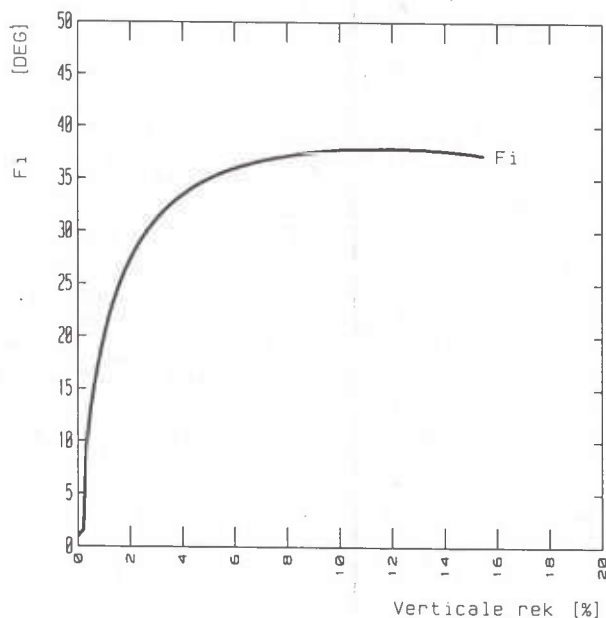
EINDE BESTAND



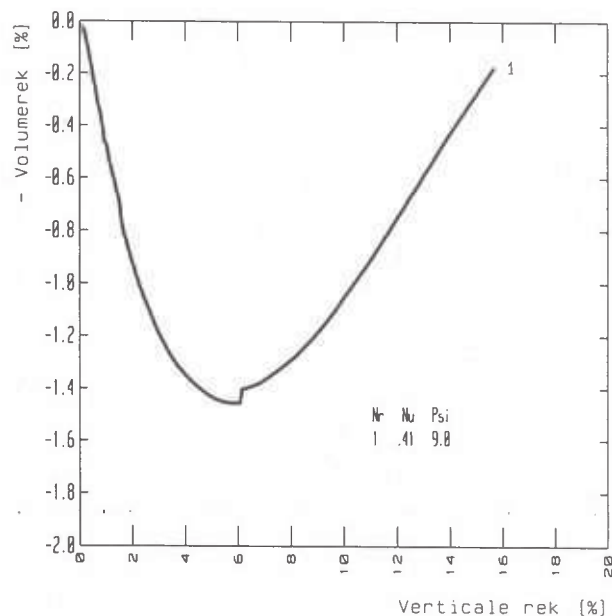
Verloop deviatorspanning



Spanningspad



Mobilisatie curve



Volumerek bij belasten

Monster	VG-nat	VG-droog	w	Consolidatie gegevens		Eps50		E-50	B-waarde	
	kN/m ³	kN/m ³	%	Celldr kPa	Backpr kPa	Tijd uren	dV/V %	kPa		
1	19.4	15.5	25.7	799	199	.5	2.2	+1.9	+51E+03	0.96

Type proef CD : Single stage
 Deformatie 5.2 %/uur
 Laborant E.Middelburg
 Adviseur vd Straaten
 Teamleider

Boring B3 VAST
 Monsterdiepte MV -41.50 m
 Grondsoort Zand2, z si., z hu.
 Monsterklasse 3
 Datum proef 22 Mar 2021
 MV NAP +5.13 m
 NAP -36.37 m
 Print dd 24 Mar 2021
 File: V03TB F00 L

Gemeentewerken Rotterdam
 Ingenieursbureau
 Veld en Laboratorium Groep

Project : VLISSINGEN OOST
 Quarleshaven mvj21031
 TRIAXIAALPROEF

B3 VAST
 2021-015
 Bijlage

BISGEO_TRIAX : 1
 Boring : B3 VAST
 Diepte NAP : -36.37
 Terrein sp : 0
 Datum : 22 Mar 2021
 Grondcode : Z(2)slh1
 Grondsoort : Zand2, z si., z hu.
 Gn-gem kN/m3 : 19.4
 Gdr-gem kN/m3 : 15.5
 W-gem % : 25.7
 Type proef : CD Uitvoering : S Cohesie 0 : J
 Deelproeven : 1 Monsterklasse : 3 Procedure : -
 Deformatie : 5.2 %/uur
 Bestand : VO3T8.A00

MOBILISATIE GEGEVENS

EA	FI	Coh	P1	Q1	dV1	P2	Q2	dV2	P3	Q3	dV3
%	Deg	kPa	kPa	kPa	%	kPa	kPa	%	kPa	kPa	%
0.0	0.0	0.0	600.0	0.0	0.00	300.0	0.0	0.00	450.0	0.0	0.00
.1	1.3	0.0	610.4	13.5	.01	0.0	0.0	0.00	0.0	0.0	0.00
.2	1.6	0.0	613.1	16.7	.01	0.0	0.0	0.00	0.0	0.0	0.00
.3	9.3	0.0	714.0	115.0	.10	0.0	0.0	0.00	0.0	0.0	0.00
.4	11.6	0.0	749.7	150.7	.16	0.0	0.0	0.00	0.0	0.0	0.00
.5	13.6	0.0	782.5	183.7	.21	0.0	0.0	0.00	0.0	0.0	0.00
.6	15.1	0.0	810.5	211.6	.27	0.0	0.0	0.00	0.0	0.0	0.00
.7	16.6	0.0	838.1	240.0	.33	0.0	0.0	0.00	0.0	0.0	0.00
.8	17.9	0.0	863.5	265.3	.37	0.0	0.0	0.00	0.0	0.0	0.00
.9	19.1	0.0	890.4	291.6	.45	0.0	0.0	0.00	0.0	0.0	0.00
1.0	20.2	0.0	914.1	315.1	.48	0.0	0.0	0.00	0.0	0.0	0.00
1.1	21.2	0.0	937.2	338.4	.53	0.0	0.0	0.00	0.0	0.0	0.00
1.2	22.1	0.0	959.5	360.9	.57	0.0	0.0	0.00	0.0	0.0	0.00
1.3	22.9	0.0	980.2	382.0	.61	0.0	0.0	0.00	0.0	0.0	0.00
1.4	23.7	0.0	1001.5	402.7	.66	0.0	0.0	0.00	0.0	0.0	0.00
1.5	24.4	0.0	1020.5	421.8	.70	0.0	0.0	0.00	0.0	0.0	0.00
1.6	25.1	0.0	1040.5	441.8	.79	0.0	0.0	0.00	0.0	0.0	0.00
1.7	25.7	0.0	1057.9	459.0	.82	0.0	0.0	0.00	0.0	0.0	0.00
1.8	26.3	0.0	1075.9	477.2	.86	0.0	0.0	0.00	0.0	0.0	0.00
1.9	26.9	0.0	1092.5	493.8	.90	0.0	0.0	0.00	0.0	0.0	0.00
2.0	27.4	0.0	1109.4	510.5	.93	0.0	0.0	0.00	0.0	0.0	0.00
3.0	31.2	0.0	1241.5	642.5	1.19	0.0	0.0	0.00	0.0	0.0	0.00
4.0	33.5	0.0	1335.2	736.2	1.35	0.0	0.0	0.00	0.0	0.0	0.00
5.0	35.0	0.0	1404.1	805.1	1.43	0.0	0.0	0.00	0.0	0.0	0.00
6.0	36.0	0.0	1455.9	856.2	1.45	0.0	0.0	0.00	0.0	0.0	0.00
7.0	36.7	0.0	1492.4	892.4	1.36	0.0	0.0	0.00	0.0	0.0	0.00
8.0	37.2	0.0	1518.1	918.1	1.29	0.0	0.0	0.00	0.0	0.0	0.00
9.0	37.5	0.0	1536.0	936.0	1.18	0.0	0.0	0.00	0.0	0.0	0.00
10.0	37.8	0.0	1548.3	948.3	1.05	0.0	0.0	0.00	0.0	0.0	0.00
11.0	37.8	0.0	1553.8	952.8	.90	0.0	0.0	0.00	0.0	0.0	0.00
12.0	37.9	0.0	1555.8	954.8	.75	0.0	0.0	0.00	0.0	0.0	0.00
13.0	37.8	0.0	1553.6	952.6	.58	0.0	0.0	0.00	0.0	0.0	0.00
14.0	37.7	0.0	1545.6	944.2	.42	0.0	0.0	0.00	0.0	0.0	0.00
15.0	37.4	0.0	1532.1	930.7	.27	0.0	0.0	0.00	0.0	0.0	0.00

PARAMETERS PER DEELPROEF

Gnat	Gdrg	W	Peff	E50	Eps50	nu	Psi
kN/m3	kN/m3	%	kPa	kPa	%	-	Deg
19.4	15.5	25.7	600	511.1E+2	1.9	.41	9.0

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EINDE BESTAND

Opdracht : 2021-015
Plaats : Vlissingen Oost
Project : mvj21031

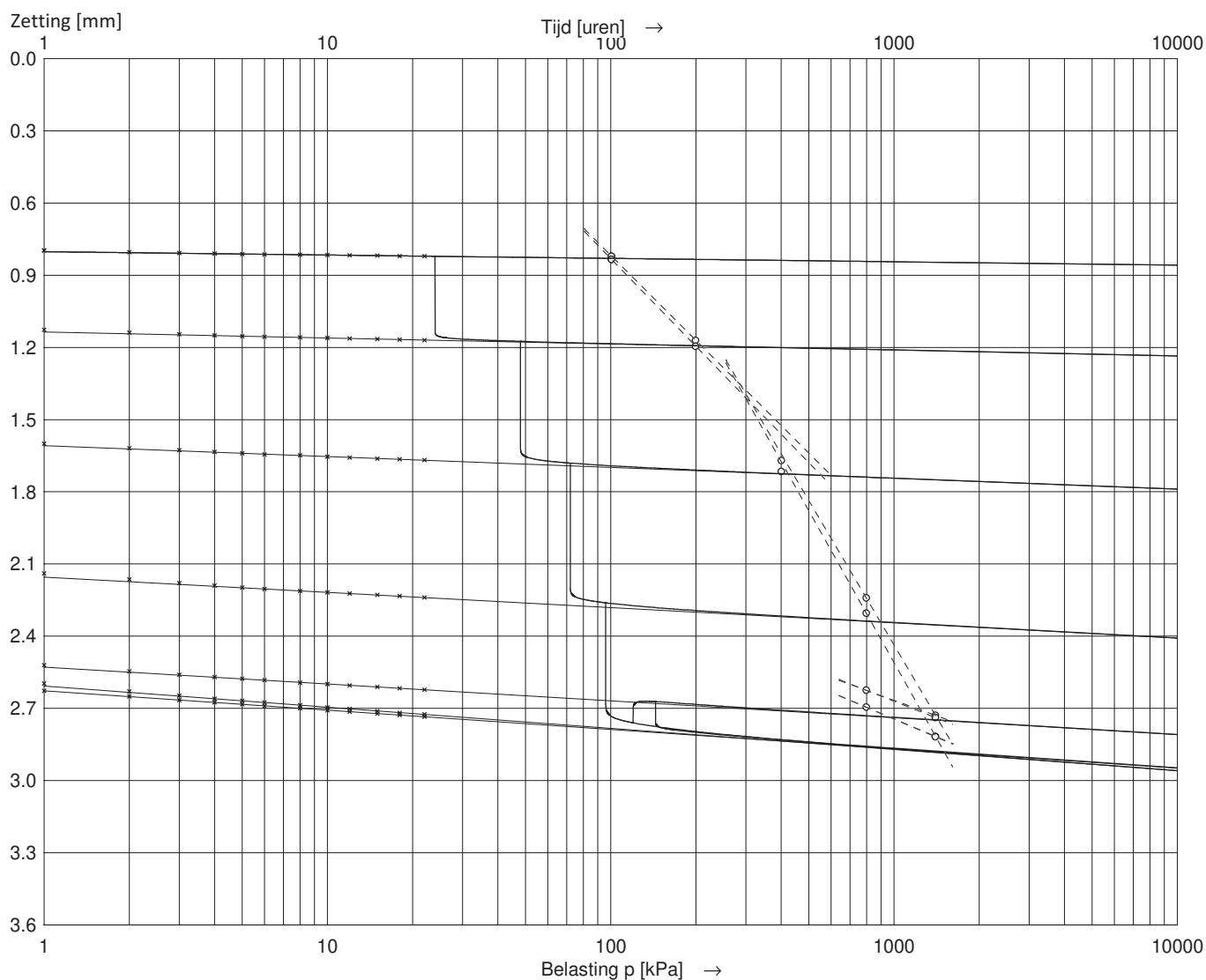
SAMENDRUKKINGSPROEF

Koppejan (NEN5118)

Boring : B3	Startdatum : 15-03-2021	Grondsoort: Klei, uiterst siltig, zwak humeus
Monster : 37	Einddatum : 22-03-2021	Diepte : 23.47 - 23.52 m. -NAP
Bus : .	Hoogte monster : 20.00 mm	Initieel vol. gewicht γ : 19.39 kN/m ³
Apparaat : 3	Zetting (24u) : 0.822 mm	Droog vol. gewicht γ_{dr} : 15.67 kN/m ³
Soort monster : Ongeroerd	h (24u) : 19.178 mm	Watergehalte W : 24 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting [kN/m ²]	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
C _p	37.4	26.5	23.1	22.0	103.7	95.1	
C _s	1196.4	648.4	725.8	437.4	599.8	1069.1	
C _{10⁴}	33.2	22.8	20.5	18.3	61.3	70.2	

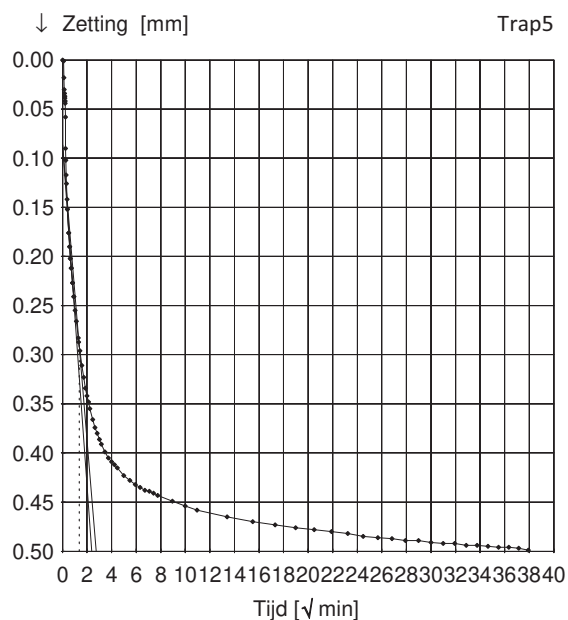
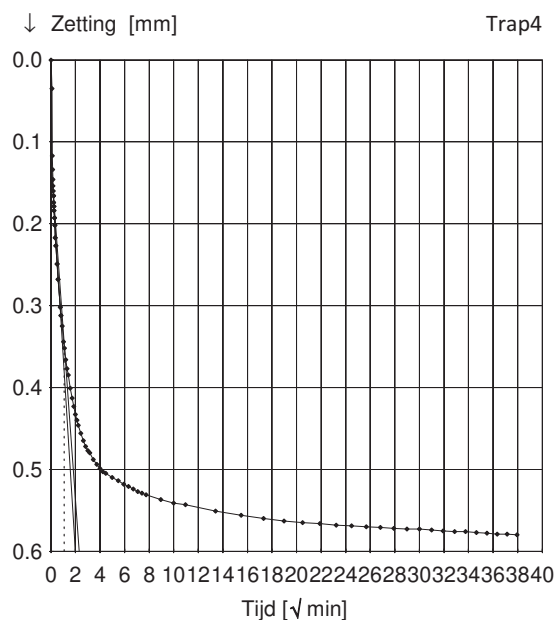
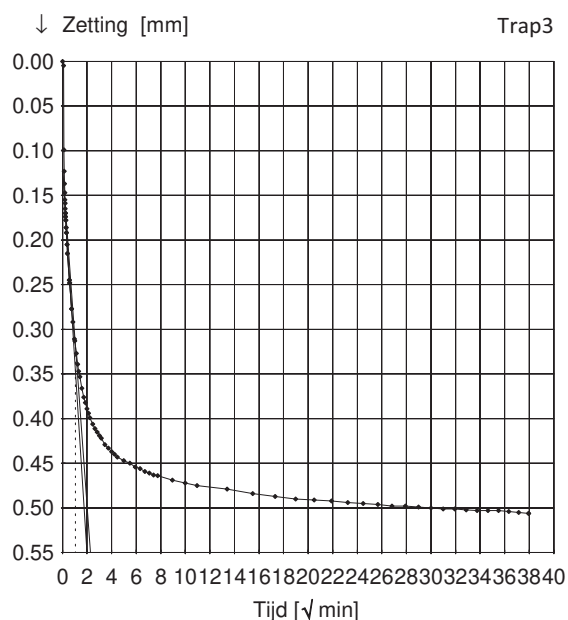
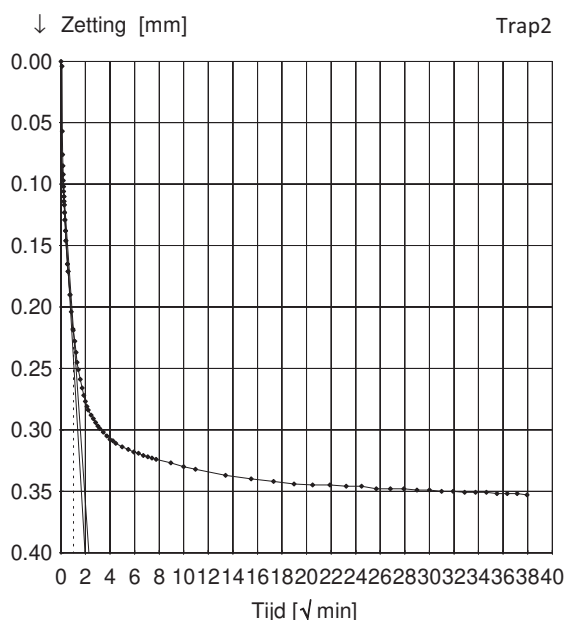
Grensspanning p _g	Voor p _g	Na p _g	Ontlasten	Herbelasten	Ontlasten(2)	Herbelasten(2)
293 [kN/m ²]	C _p = 37.4	C _p ' = 22.0	C _p = 103.7	C _p = 95.1		
	C _s = 1196.4	C _s ' = 437.4	C _s = 599.8	C _s = 1069.1		
	C _{10⁴} = 33.2	C _{10⁴} ' = 18.3	C _{10⁴} = 61.3	C _{10⁴} = 70.2		



Asymptoot tijdinterval : 5 - 48 uur.

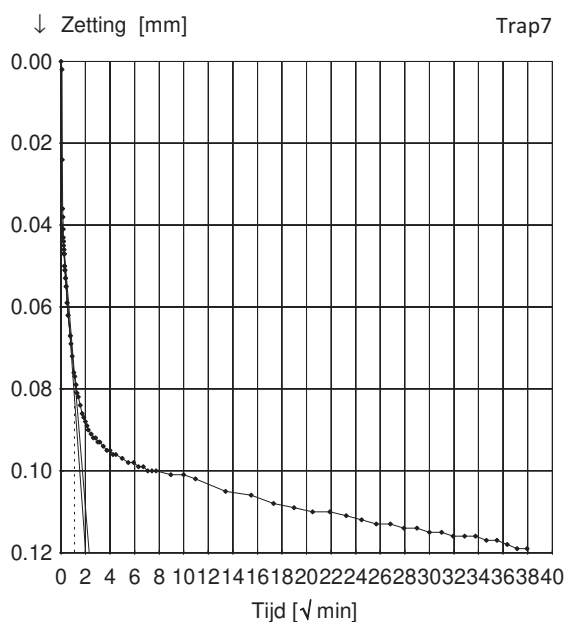
Boring : B3	Startdatum : 15-03-2021	Grondsoort: Klei, uiterst siltig, zwak humeus
Monster : 37	Einddatum : 22-03-2021	Diepte : 23.47 - 23.52 m. -NAP
Bus : .	Hoogte monster : 20.00 mm	Initieel vol. gewicht γ : 19.39 kN/m ³
Apparaat : 3	Zetting (24u) : 0.822 mm	Droog vol. gewicht γ_{dr} : 15.67 kN/m ³
Soort monster : Ongeroerd	h (24u) : 19.178 mm	Watergehalte W : 24 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting [kN/m ²]	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
Δp [kN/m ²]	100.74	98.92	200.6	398.45	601.79	-601.79	601.79
c_v [10 ⁻⁸ m ² /s] (wortel-t)		91.60	81.46	73.00	44.08		64.00
m_v [1/MPa]		0.09	0.06	0.03	0.02		0.00
k_{10} [10 ⁻¹¹ m/s]		77.81	47.06	24.71	9.22		2.69
c_v [10 ⁻⁸ m ² /s] (log-t)		118.11	172.31	35.24	47.30		1119.97
C_α [10 ⁻³]		1.186	1.665	1.504	2.191		0.5027



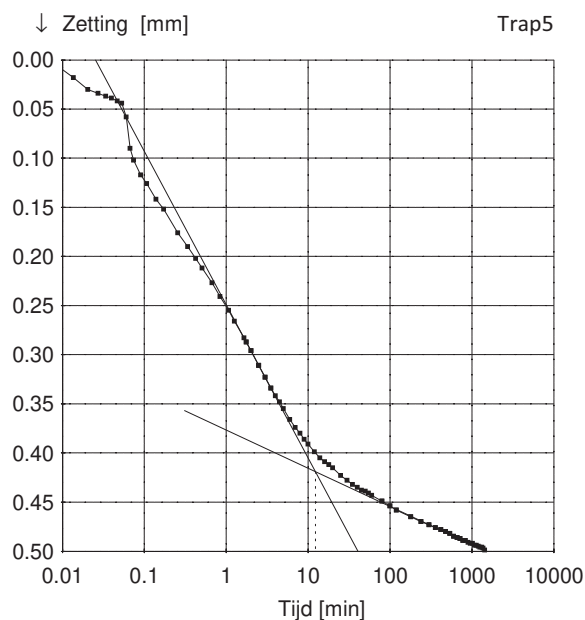
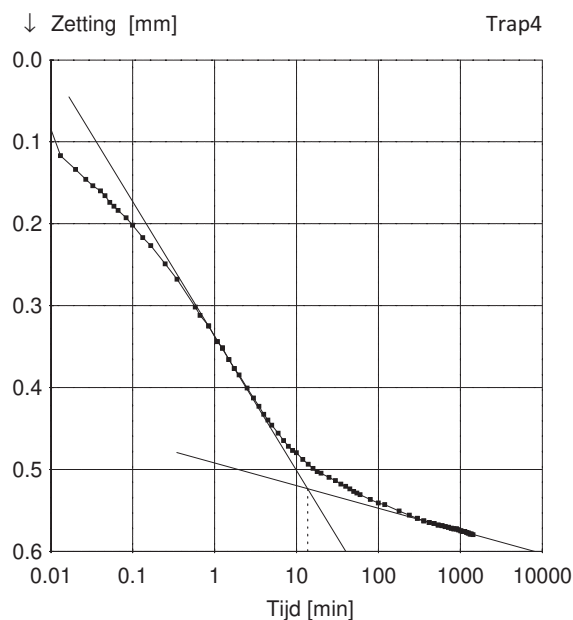
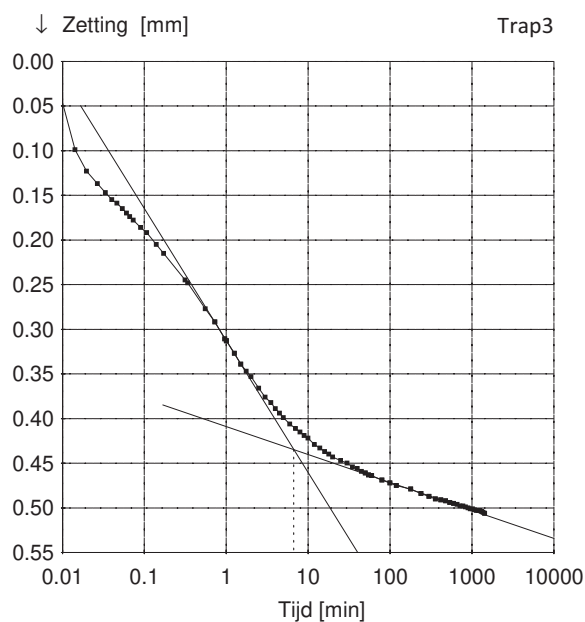
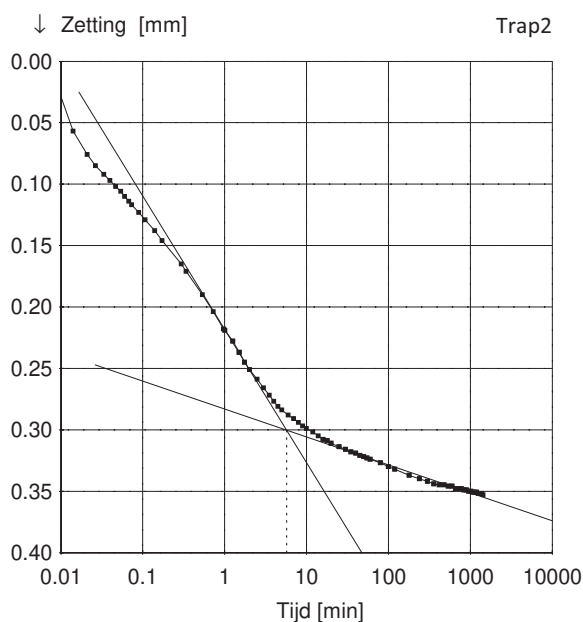
Boring : B3	Startdatum : 15-03-2021	Grondsoort: Klei, uiterst siltig, zwak humeus
Monster : 37	Einddatum : 22-03-2021	Diepte : 23.47 - 23.52 m. -NAP
Bus : .	Hoogte monster : 20.00 mm	Initieel vol. gewicht γ : 19.39 kN/m ³
Apparaat : 3	Zetting (24u) : 0.822 mm	Droog vol. gewicht γ_{dr} : 15.67 kN/m ³
Soort monster : Ongeroerd	h (24u) : 19.178 mm	Watergehalte W : 24 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting [kN/m ²]	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
Δp [kN/m ²]	100.74	98.92	200.6	398.45	601.79	-601.79	601.79
c_v [10 ⁻⁸ m ² /s] (wortel-t)		91.60	81.46	73.00	44.08		64.00
m_v [1/MPa]		0.09	0.06	0.03	0.02		0.00
k_{10} [10 ⁻¹¹ m/s]		77.81	47.06	24.71	9.22		2.69
c_v [10 ⁻⁸ m ² /s] (log-t)		118.11	172.31	35.24	47.30		1119.97
C_α [10 ⁻³]		1.186	1.665	1.504	2.191		0.5027



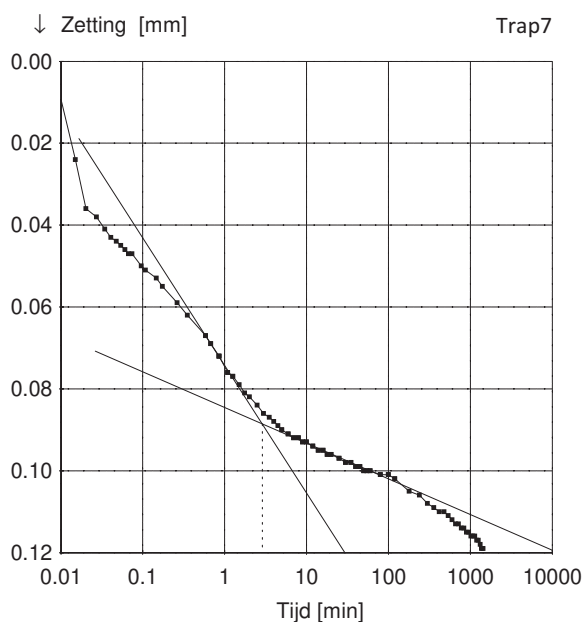
Boring : B3	Startdatum : 15-03-2021	Grondsoort: Klei, uiterst siltig, zwak humeus
Monster : 37	Einddatum : 22-03-2021	Diepte : 23.47 - 23.52 m. -NAP
Bus : .	Hoogte monster : 20.00 mm	Initieel vol. gewicht γ : 19.39 kN/m ³
Apparaat : 3	Zetting (24u) : 0.822 mm	Droog vol. gewicht γ_{dr} : 15.67 kN/m ³
Soort monster : Ongeroid	h (24u) : 19.178 mm	Watergehalte W : 24 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting [kN/m ²]	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
Δp [kN/m ²]	100.74	98.92	200.6	398.45	601.79	-601.79	601.79
c_v [10 ⁻⁸ m ² /s] (wortel-t)		91.60	81.46	73.00	44.08		64.00
m_v [1/MPa]		0.09	0.06	0.03	0.02		0.00
k_{10} [10 ⁻¹¹ m/s]		77.81	47.06	24.71	9.22		2.69
c_v [10 ⁻⁸ m ² /s] (log-t)		118.11	172.31	35.24	47.30		1119.97
C_α [10 ⁻³]		1.186	1.665	1.504	2.191		0.5027



Boring	: B3	Startdatum	: 15-03-2021	Grondsoort:	Klei, uiterst siltig, zwak humeus
Monster	: 37	Einddatum	: 22-03-2021	Diepte	: 23.47 - 23.52 m. -NAP
Bus	: .	Hoogte monster	: 20.00 mm	Initieel vol. gewicht γ	: 19.39 kN/m ³
Apparaat	: 3	Zetting (24u)	: 0.822 mm	Droog vol. gewicht γ_{dr}	: 15.67 kN/m ³
Soort monster	: Ongeroerd	h (24u)	: 19.178 mm	Watergehalte W	: 24 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting [kN/m ²]	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
Δp [kN/m ²]	100.74	98.92	200.6	398.45	601.79	-601.79	601.79
c_v [10 ⁻⁸ m ² /s] (wortel-t)		91.60	81.46	73.00	44.08		64.00
m_v [1/MPa]		0.09	0.06	0.03	0.02		0.00
k_{10} [10 ⁻¹¹ m/s]		77.81	47.06	24.71	9.22		2.69
c_v [10 ⁻⁸ m ² /s] (log-t)		118.11	172.31	35.24	47.30		1119.97
C_α [10 ⁻³]		1.186	1.665	1.504	2.191		0.5027



Opdracht : 2021-015
Plaats : Vlissingen Oost
Project : mvj21031

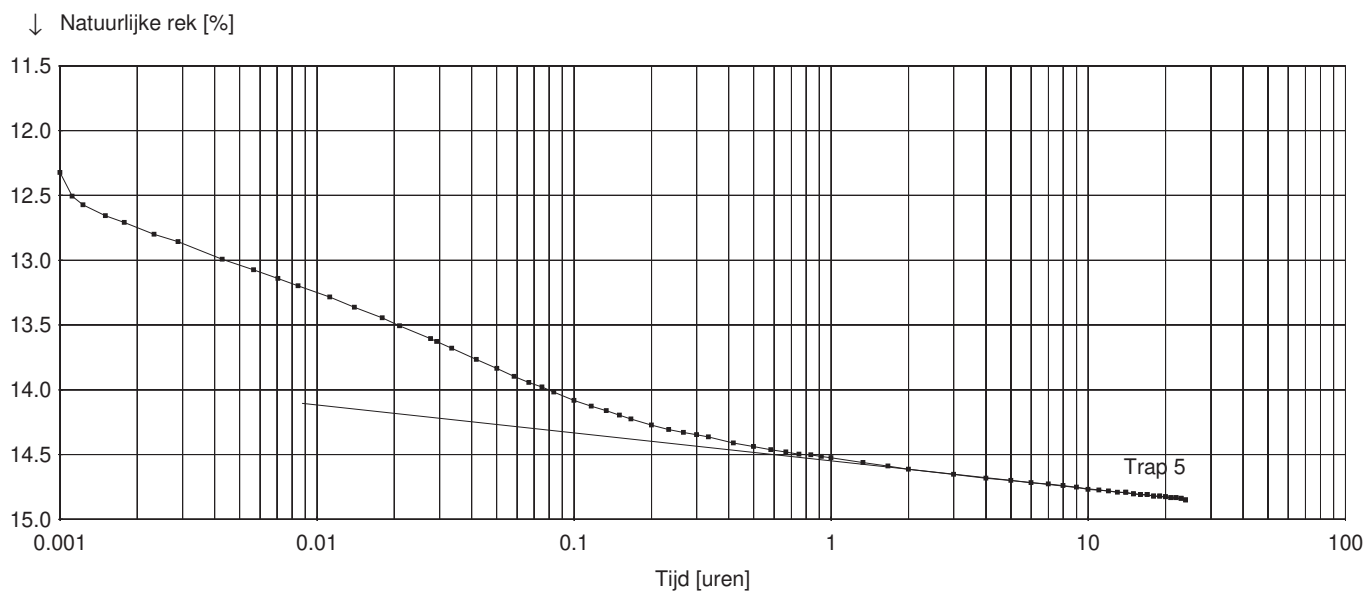
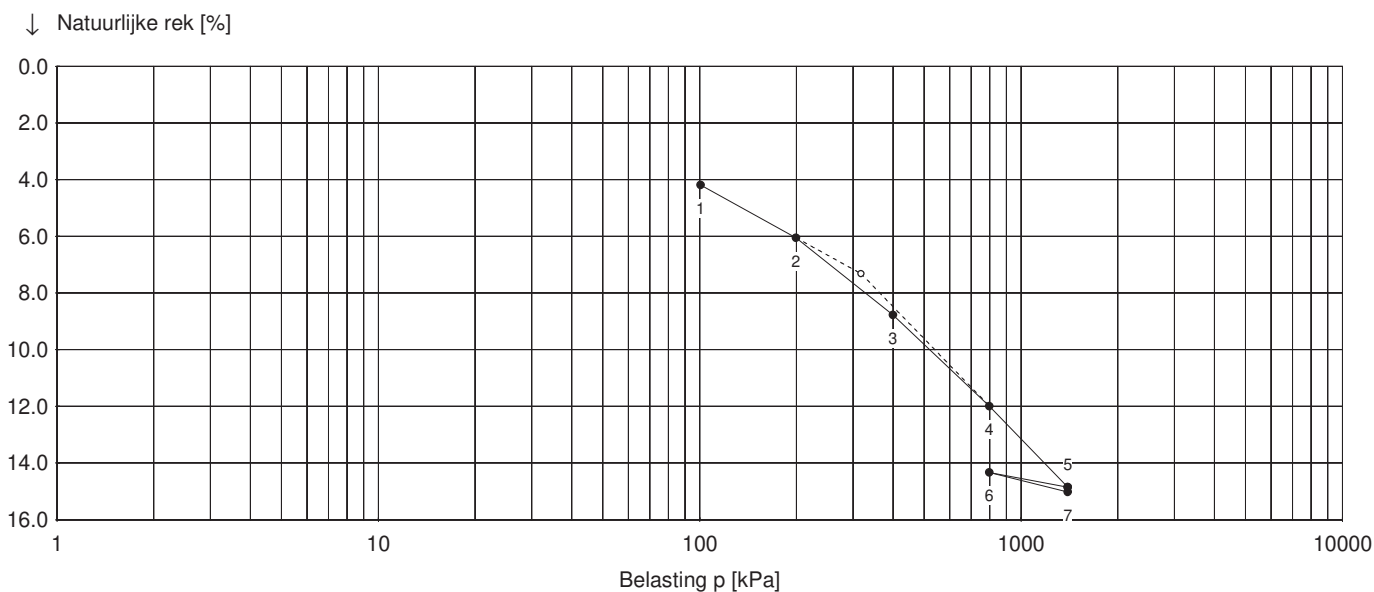
SAMENDRUKKINGSPROEF

Isotachen

Boring	: B3	Startdatum	: 15-03-2021	Grondsoort:	Klei, uiterst siltig, zwak humeus
Monster	: 37	Einddatum	: 22-03-2021	Diepte	: 23.47 - 23.52 m. -NAP
Bus	: .	Hoogte monster	: 20.00 mm	Initieel vol. gewicht γ	: 19.39 kN/m ³
Apparaat	: 3	Zetting (24u)	: 0.822 mm	Droog vol. gewicht γ_{dr}	: 15.67 kN/m ³
Soort monster	: Ongeroerd	h (24u)	: 19.178 mm	Watergehalte W	: 24 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
a, b	0.0272	0.0392	0.0466	0.0508	0.0092	0.0123	
c			0.0008	0.0009			

Grensspanning P_g =	kPa	a = 0.0123	b = 0.0508	c = 0.00093
		Trap 6 - 7	Trap 4 - 5	Trap 5



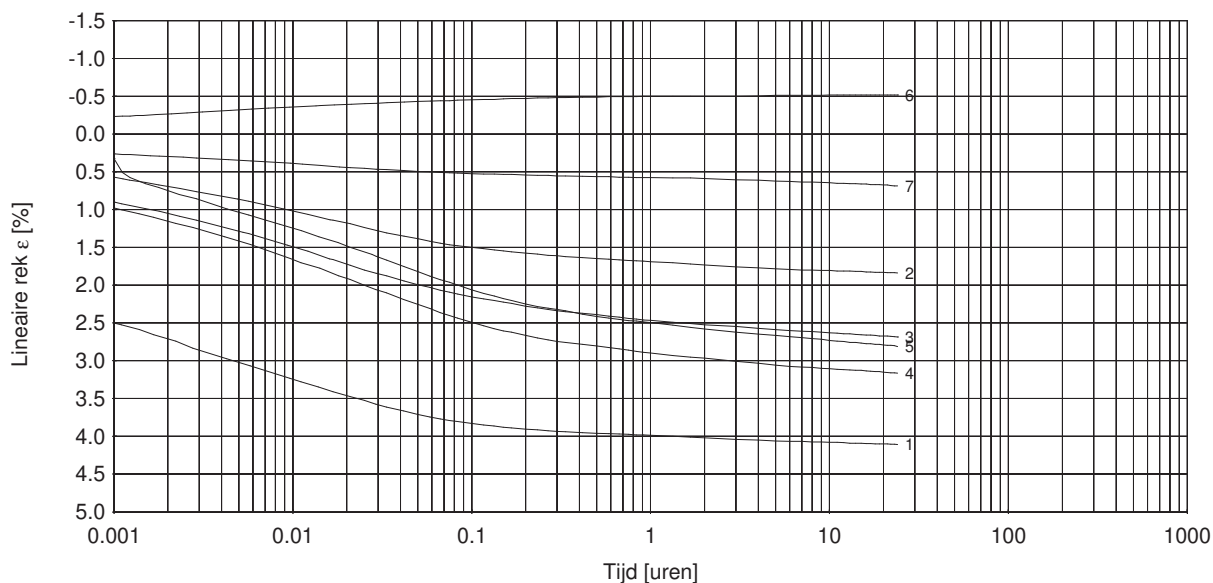
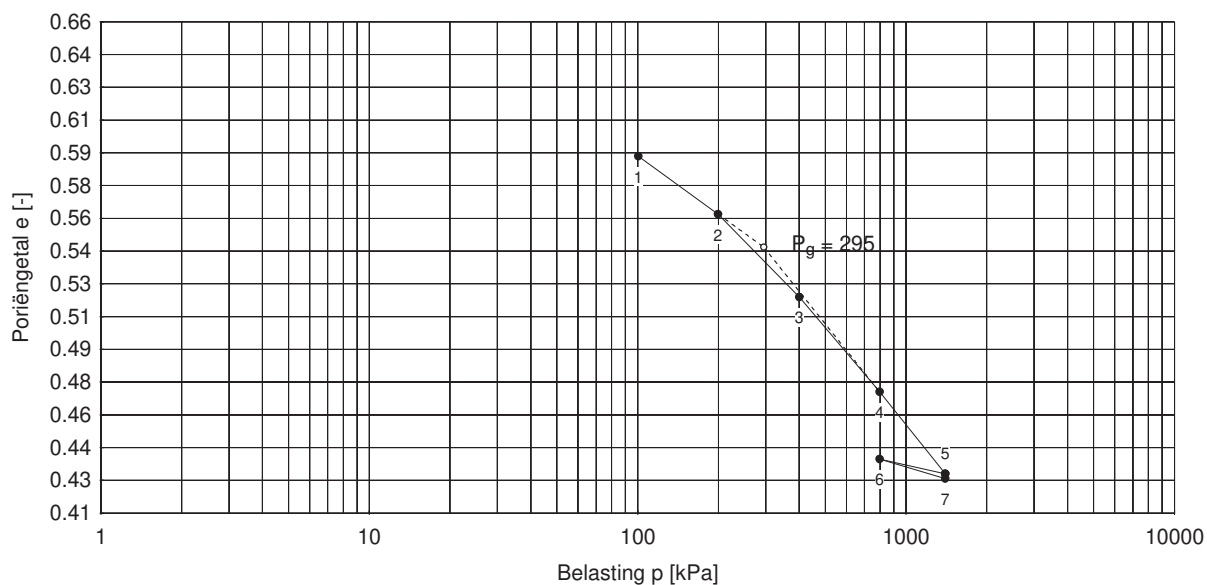
Boring	: B3	Startdatum	: 15-03-2021	Grondsoort:	Klei, uiterst siltig, zwak humeus
Monster	: 37	Einddatum	: 22-03-2021	Diepte	: 23.47 - 23.52 m. -NAP
Bus	: .	Hoogte monster	: 20.00 mm	Initieel vol. gewicht γ	: 19.39 kN/m ³
Apparaat	: 3	Zetting (24u)	: 0.822 mm	Droog vol. gewicht γ_{dr}	: 15.67 kN/m ³
Soort monster	: Ongeroerd	e_0	: 0.66	Watergehalte W	: 24 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
$C_{c/r/sw} = \Delta e / \Delta \log p$	0.099	0.139	0.160	0.170	0.030	0.040	
$C_{\alpha}^* = \Delta e / \Delta \log t$		0.0012	0.0017	0.0015	0.0022		0.0005

* Berekening C_{α} gebaseerd op de proefstukhoogte aan het begin van de trap

$C_r = 0.040$	$C_c = 0.170$	$C_{sw} = 0.030$
Trap 6 - 7	Trap 4 - 5	Trap 5 - 6

$C_{\alpha} = 0.0018$
Trap 4 - 5



* Lineaire rek berekend t.o.v. proefstukhoogte aan het begin van iedere trap

Opdracht : 2021-015
 Plaats : Vlissingen Oost
 Project : mvj21031

SAMENDRUKKINGSPROEF

Totaaloverzicht proefresultaten

Boring	: B3	Startdatum	: 15-03-2021	Grondsoort:	Klei, uiterst siltig, zwak humeus
Monster	: 37	Einddatum	: 22-03-2021	Diepte	: 23.47 - 23.52 m. -NAP
Bus	: .	Hoogte monster	: 20.00 mm	Initieel vol. gewicht γ	: 19.39 kN/m ³
Apparaat	: 3	Zetting (24u)	: 0.822 mm	Droog vol. gewicht γ_{dr}	: 15.67 kN/m ³
Soort monster	: Ongeroerd	e_0	: 0.66	Watergehalte W	: 24 %

Bepaling parameters per trap

Belasting p [kPa]	101	200	400	799	1401	799	1401
NEN / Bjerrum	Trap 1	2	3	4	5	6	7
$C_{c/r/sw} = \Delta e / \Delta \log p$	0.0986	0.1390	0.1604	0.1698	0.0303	0.0405	
$C_{\alpha} = \Delta e / \Delta \log t$	0.0012	0.0017	0.0015	0.0022		0.0005	
KoppeJan	Trap 1	2	3	4	5	6	7
C_p	37.4	26.5	23.1	22.0	103.7	95.1	
C_s	1196.4	648.4	725.8	437.4	599.8	1069.1	
C_{10^4}	33.2	22.8	20.5	18.3	61.3	70.2	
Taylor / Casagrande	Trap 1	2	3	4	5	6	7
$c_v [10^{-8} m^2/s]$ (Taylor)	91.60	81.46	73.00	44.08		64.00	
$m_v [1/MPa]$	0.09	0.06	0.03	0.02		0.00	
$k_{10} [10^{-11} m/s]$	77.81	47.06	24.71	9.22		2.69	
$c_v [10^{-8} m^2/s]$ (Casagrande)	118.11	172.31	35.24	47.30		1119.97	
Isotachen	Trap 1	2	3	4	5	6	7
a, b	0.0272	0.0392	0.0466	0.0508	0.0092	0.0123	
c			0.0008	0.0009			

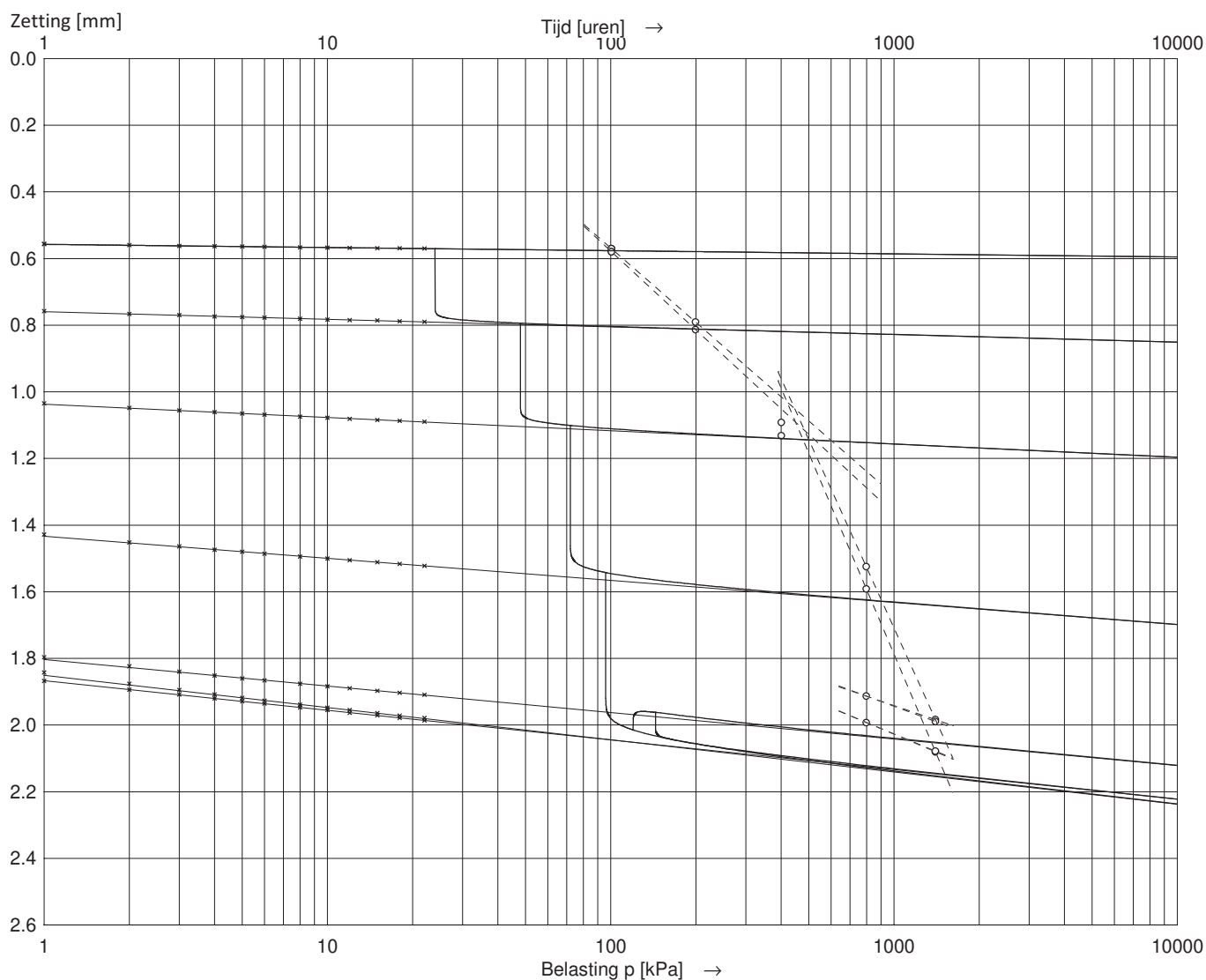
Bepaling P_g en parameters op basis van geselecteerde trappen

NEN / Bjerrum	Trap 6 - 7	Trap 4 - 5	Trap 5 - 6	Trap 4, 5
$P_g = 295.4$	$C_r = 0.0405$	$C_c = 0.1698$	$C_{sw} = 0.0303$	$C_{\alpha} = 0.0018$
KoppeJan	Trap 1 - 2	Trap 4 - 5	Trap 5 - 6	Trap 6 - 7
$P_g = 292.9$	$C_p = 37.4$ $C_s = 1196.4$ $C_{10^4} = 33.2$	$C_p' = 22.0$ $C_s' = 437.4$ $C_{10^4}' = 18.3$	$A_p = 103.7$ $A_s = 599.8$ $A_{10^4} = 61.3$	$C_{p(r)} = 95.1$ $C_{s(r)} = 1069.1$ $C_{10^4(r)} = 70.2$
Isotachen	Trap 6 - 7	Trap 4 - 5	Trap 5	
$P_g = --$	a = 0.0123	b = 0.0508	c = 0.0009	

Boring : B3	Startdatum : 15-03-2021	Grondsoort: Klei, uiterst siltig, zwak humeus
Monster : 39	Einddatum : 22-03-2021	Diepte : 25.12 - 25.17 m. -NAP
Bus : .	Hoogte monster : 20.00 mm	Initieel vol. gewicht γ : 20.11 kN/m ³
Apparaat : 4	Zetting (24u) : 0.571 mm	Droog vol. gewicht γ_{dr} : 16.71 kN/m ³
Soort monster : Ongeroerd	h (24u) : 19.429 mm	Watergehalte W : 20 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting [kN/m ²]	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
C _p	60.0	44.7	30.9	23.7	153.7	142.7	
C _s	998.5	788.0	505.3	355.9	626.9	1139.1	
C _{10⁴}	48.4	36.4	24.8	18.7	77.6	95.1	

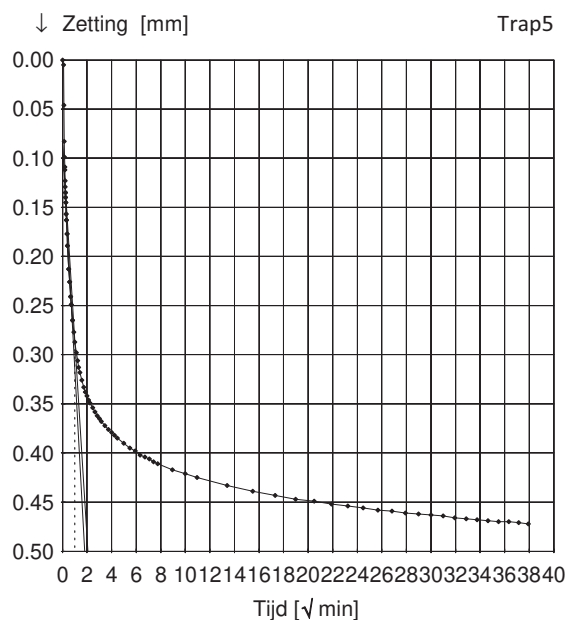
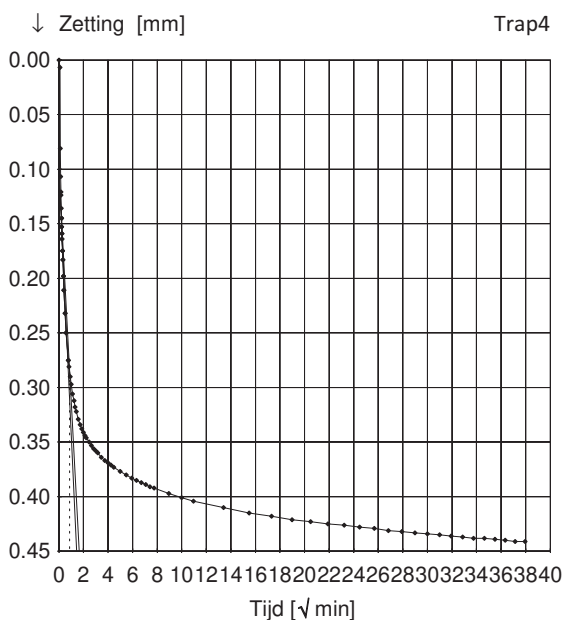
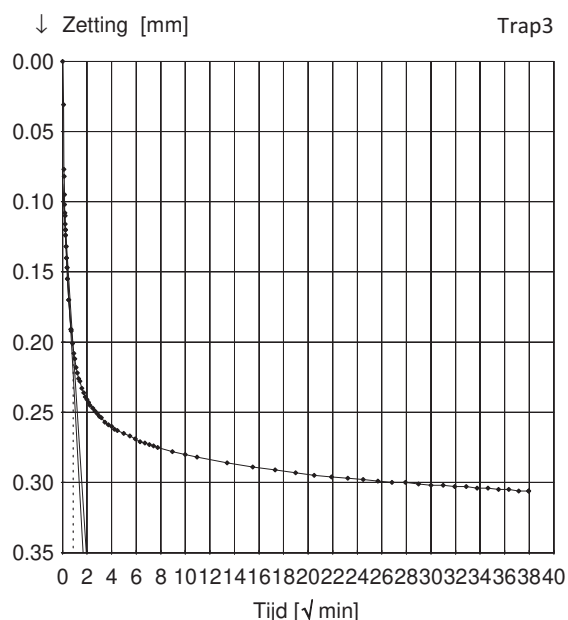
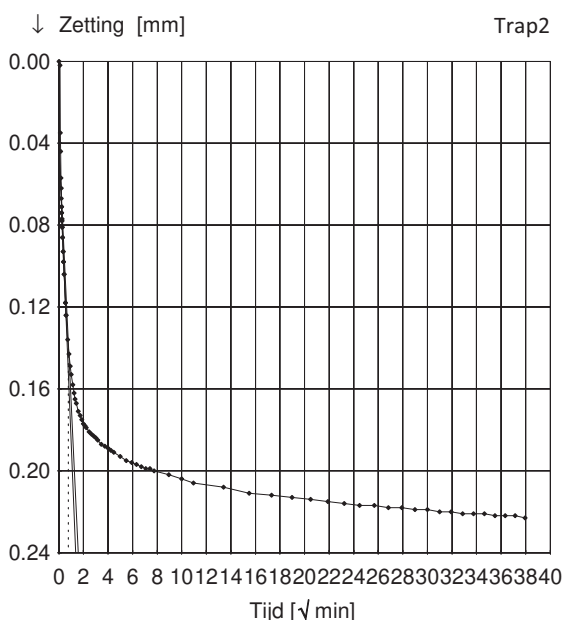
Grensspanning p _g	Voor p _g	Na p _g	Ontlasten	Herbelasten	Ontlasten(2)	Herbelasten(2)
449 [kN/m ²]	C _p = 60.0	C _p ' = 23.7	C _p = 153.7	C _p = 142.7		
	C _s = 998.5	C _s ' = 355.9	C _s = 626.9	C _s = 1139.1		
	C _{10⁴} = 48.4	C _{10⁴} ' = 18.7	C _{10⁴} = 77.6	C _{10⁴} = 95.1		



Asymptoot tijdinterval : 3 - 48 uur.

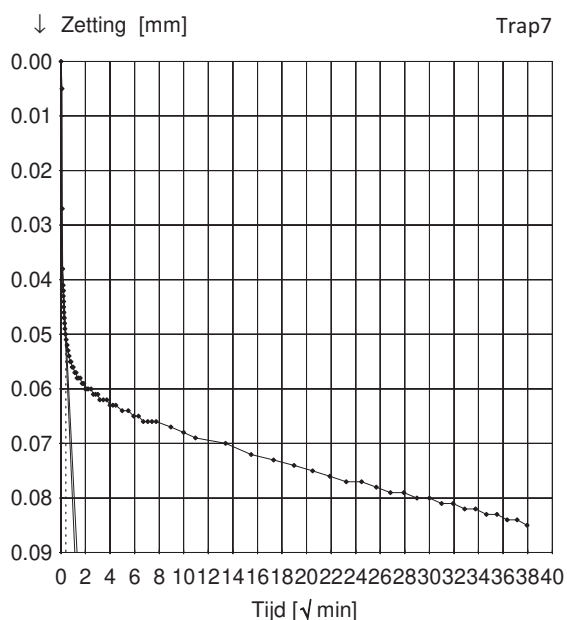
Boring : B3	Startdatum : 15-03-2021	Grondsoort: Klei, uiterst siltig, zwak humeus
Monster : 39	Einddatum : 22-03-2021	Diepte : 25.12 - 25.17 m. -NAP
Bus : .	Hoogte monster : 20.00 mm	Initieel vol. gewicht γ : 20.11 kN/m ³
Apparaat : 4	Zetting (24u) : 0.571 mm	Droog vol. gewicht γ_{dr} : 16.71 kN/m ³
Soort monster : Ongeroerd	h (24u) : 19.429 mm	Watergehalte W : 20 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting [kN/m ²]	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
Δp [kN/m ²]	100.74	98.92	200.6	398.45	601.79	-601.79	601.79
c_v [10 ⁻⁸ m ² /s] (wortel-t)		162.83	126.69	120.96	87.29		506.52
m_v [1/MPa]		0.06	0.03	0.03	0.02		0.00
k_{10} [10 ⁻¹¹ m/s]		91.60	42.43	32.31	17.27		9.21
c_v [10 ⁻⁸ m ² /s] (log-t)		527.69	668.94	400.04	148.82		1890.22
C_α [10 ⁻³]		0.8456	1.181	1.815	2.402		0.2957



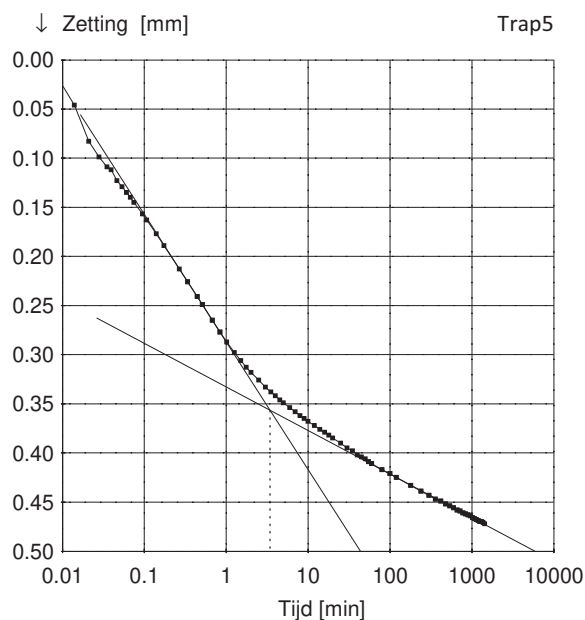
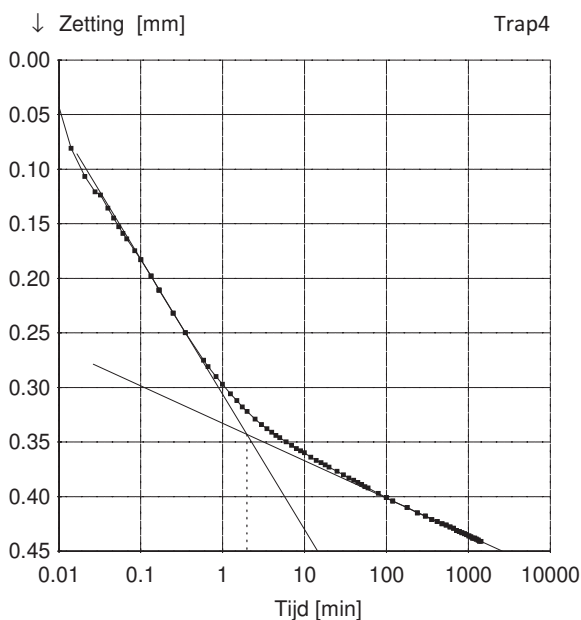
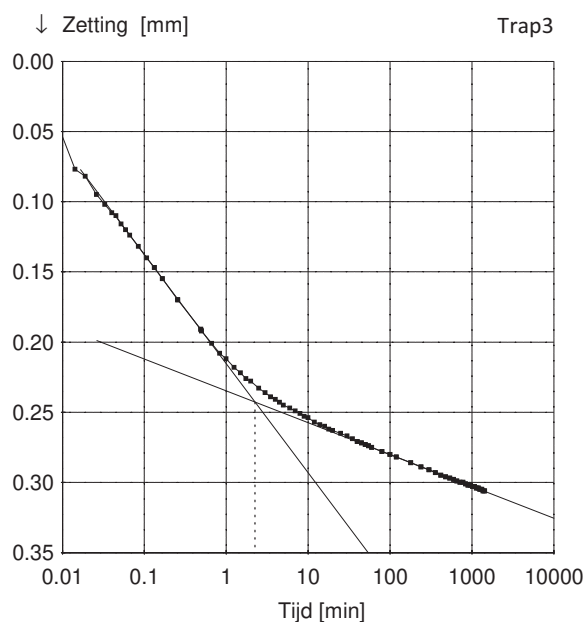
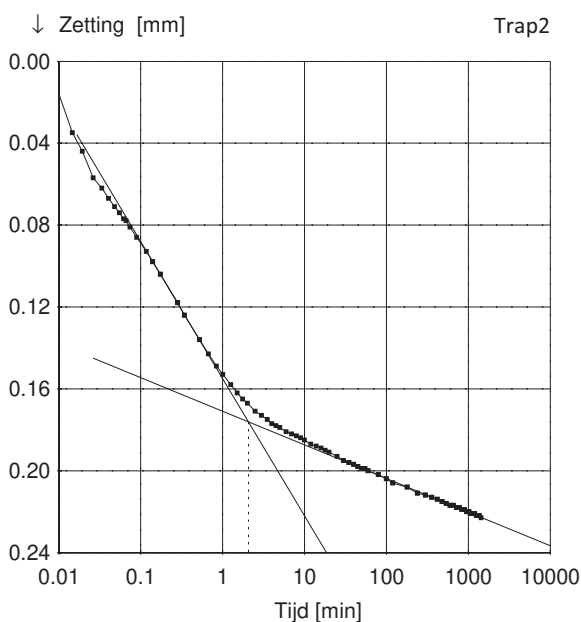
Boring	: B3	Startdatum	: 15-03-2021	Grondsoort:	Klei, uiterst siltig, zwak humeus
Monster	: 39	Einddatum	: 22-03-2021	Diepte	: 25.12 - 25.17 m. -NAP
Bus	: .	Hoogte monster	: 20.00 mm	Initieel vol. gewicht γ	: 20.11 kN/m ³
Apparaat	: 4	Zetting (24u)	: 0.571 mm	Droog vol. gewicht γ_{dr}	: 16.71 kN/m ³
Soort monster	: Ongeroerd	h (24u)	: 19.429 mm	Watergehalte W	: 20 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting [kN/m ²]	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
Δp [kN/m ²]	100.74	98.92	200.6	398.45	601.79	-601.79	601.79
c_v [10^{-8} m ² /s] (wortel-t)		162.83	126.69	120.96	87.29		506.52
m_v [1/MPa]		0.06	0.03	0.03	0.02		0.00
k_{10} [10^{-11} m/s]		91.60	42.43	32.31	17.27		9.21
c_v [10^{-8} m ² /s] (log-t)		527.69	668.94	400.04	148.82		1890.22
C_α [10^{-3}]		0.8456	1.181	1.815	2.402		0.2957



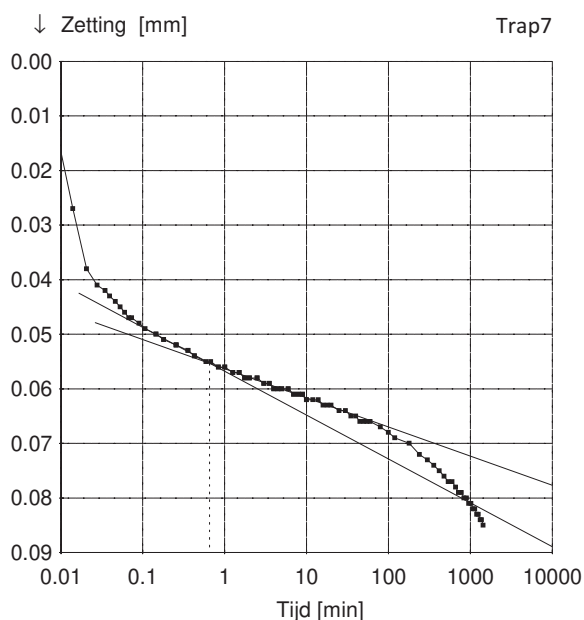
Boring	: B3	Startdatum	: 15-03-2021	Grondsoort:	Klei, uiterst siltig, zwak humeus
Monster	: 39	Einddatum	: 22-03-2021	Diepte	: 25.12 - 25.17 m. -NAP
Bus	: .	Hoogte monster	: 20.00 mm	Initieel vol. gewicht γ	: 20.11 kN/m ³
Apparaat	: 4	Zetting (24u)	: 0.571 mm	Droog vol. gewicht γ_{dr}	: 16.71 kN/m ³
Soort monster	: Ongeroid	h (24u)	: 19.429 mm	Watergehalte W	: 20 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting [kN/m ²]	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
Δp [kN/m ²]	100.74	98.92	200.6	398.45	601.79	-601.79	601.79
c_v [10 ⁻⁸ m ² /s] (wortel-t)		162.83	126.69	120.96	87.29		506.52
m_v [1/MPa]		0.06	0.03	0.03	0.02		0.00
k_{10} [10 ⁻¹¹ m/s]		91.60	42.43	32.31	17.27		9.21
c_v [10 ⁻⁸ m ² /s] (log-t)		527.69	668.94	400.04	148.82		1890.22
C_α [10 ⁻³]		0.8456	1.181	1.815	2.402		0.2957



Boring : B3	Startdatum : 15-03-2021	Grondsoort: Klei, uiterst siltig, zwak humeus
Monster : 39	Einddatum : 22-03-2021	Diepte : 25.12 - 25.17 m. -NAP
Bus : .	Hoogte monster : 20.00 mm	Initieel vol. gewicht γ : 20.11 kN/m ³
Apparaat : 4	Zetting (24u) : 0.571 mm	Droog vol. gewicht γ_{dr} : 16.71 kN/m ³
Soort monster : Ongeroerd	h (24u) : 19.429 mm	Watergehalte W : 20 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting [kN/m ²]	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
Δp [kN/m ²]	100.74	98.92	200.6	398.45	601.79	-601.79	601.79
c_v [10 ⁻⁸ m ² /s] (wortel-t)		162.83	126.69	120.96	87.29		506.52
m_v [1/MPa]		0.06	0.03	0.03	0.02		0.00
k_{10} [10 ⁻¹¹ m/s]		91.60	42.43	32.31	17.27		9.21
c_v [10 ⁻⁸ m ² /s] (log-t)		527.69	668.94	400.04	148.82		1890.22
C_α [10 ⁻³]		0.8456	1.181	1.815	2.402		0.2957



Opdracht : 2021-015
Plaats : Vlissingen Oost
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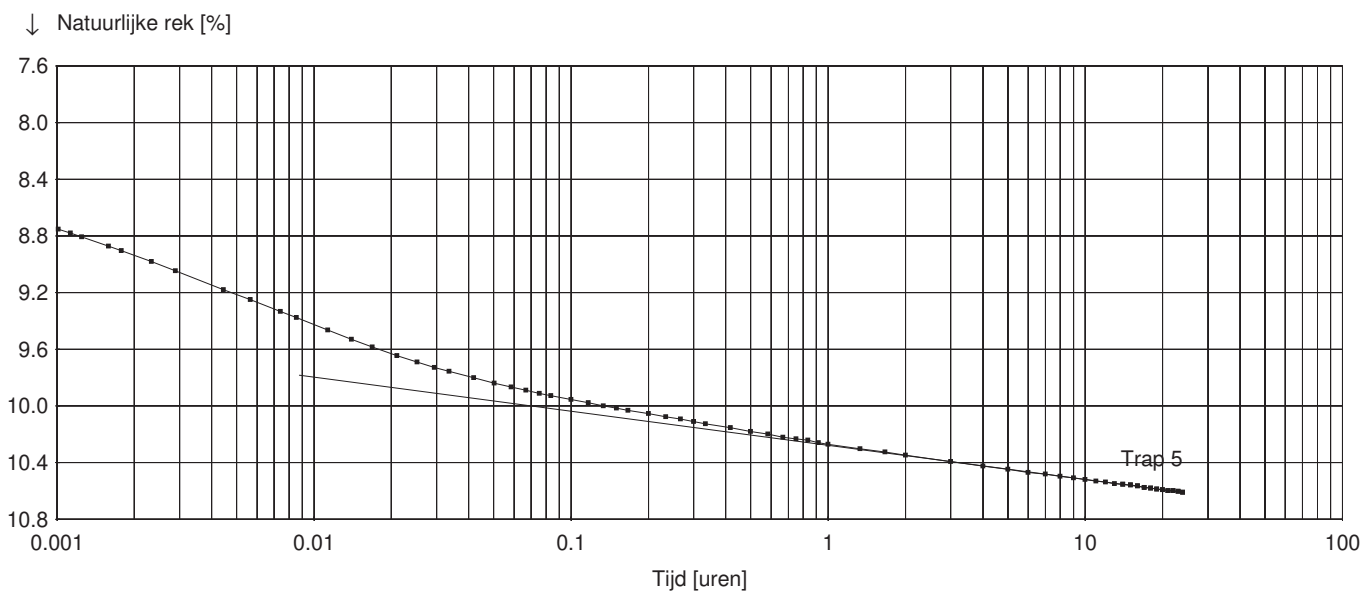
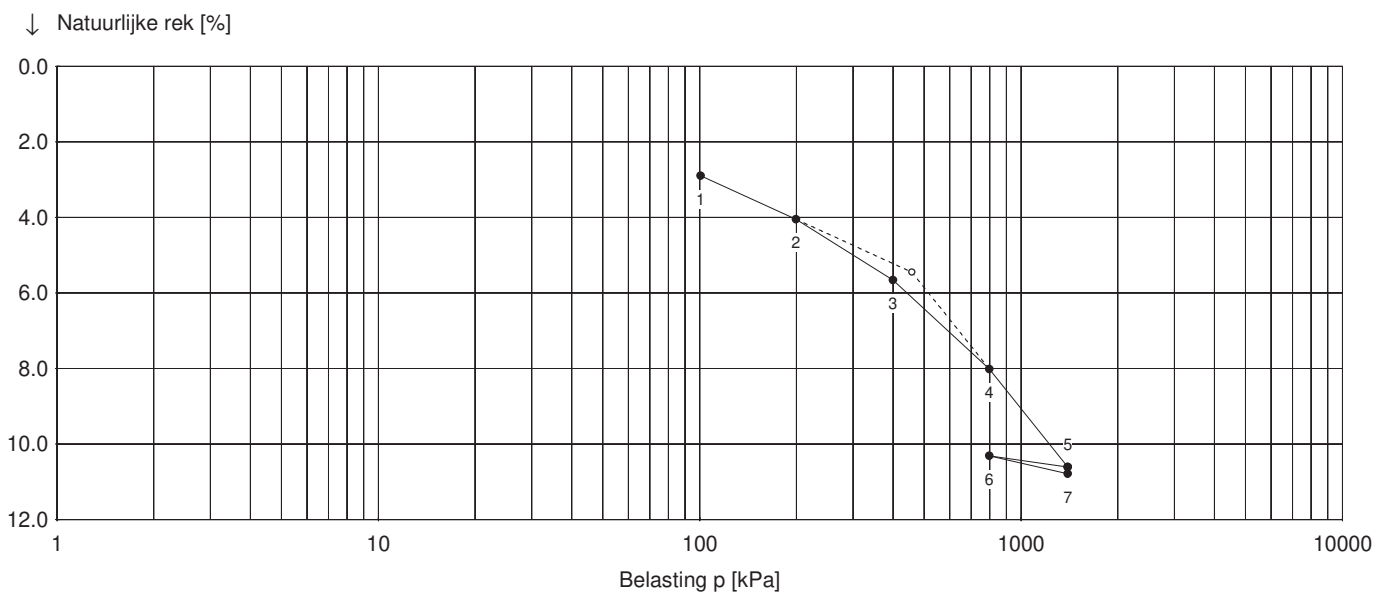
SAMENDRUKKINGSPROEF

Isotachen

Boring : B3	Startdatum : 15-03-2021	Grondsoort: Klei, uiterst siltig, zwak humeus
Monster : 39	Einddatum : 22-03-2021	Diepte : 25.12 - 25.17 m. -NAP
Bus : .	Hoogte monster : 20.00 mm	Initieel vol. gewicht γ : 20.11 kN/m ³
Apparaat : 4	Zetting (24u) : 0.571 mm	Droog vol. gewicht γ_{dr} : 16.71 kN/m ³
Soort monster : Ongeroerd	h (24u) : 19.429 mm	Watergehalte W : 20 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
a, b	0.0169	0.0231	0.0342	0.0461	0.0052	0.0084	
c			0.0008	0.0010			

Grensspanning P_g =	kPa	a = 0.0084	b = 0.0461	c = 0.00104
		Trap 6 - 7	Trap 4 - 5	Trap 5



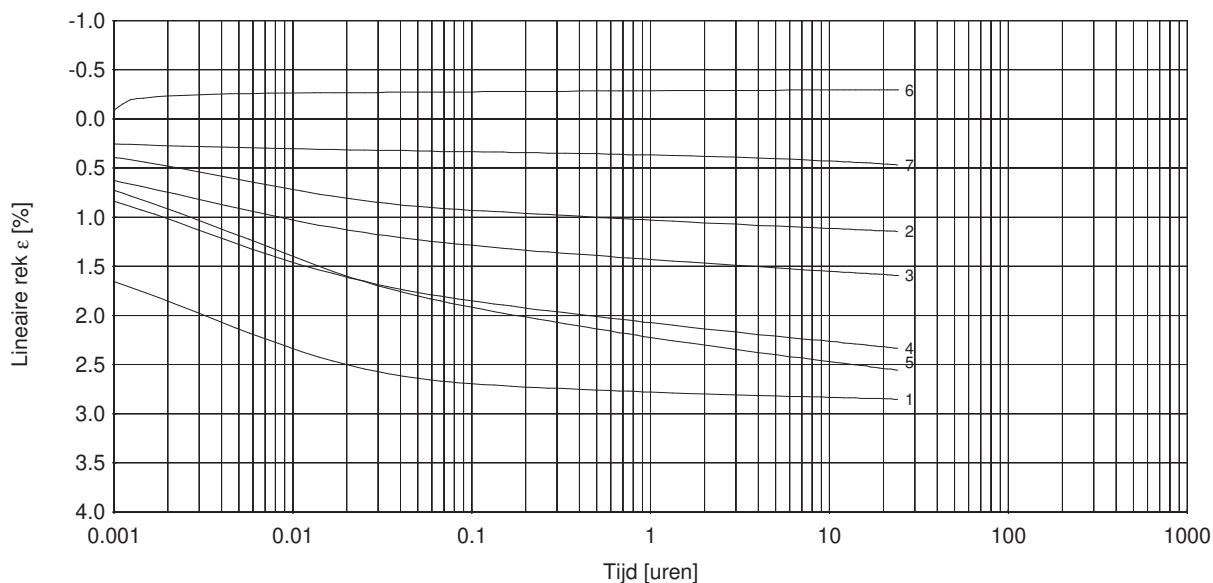
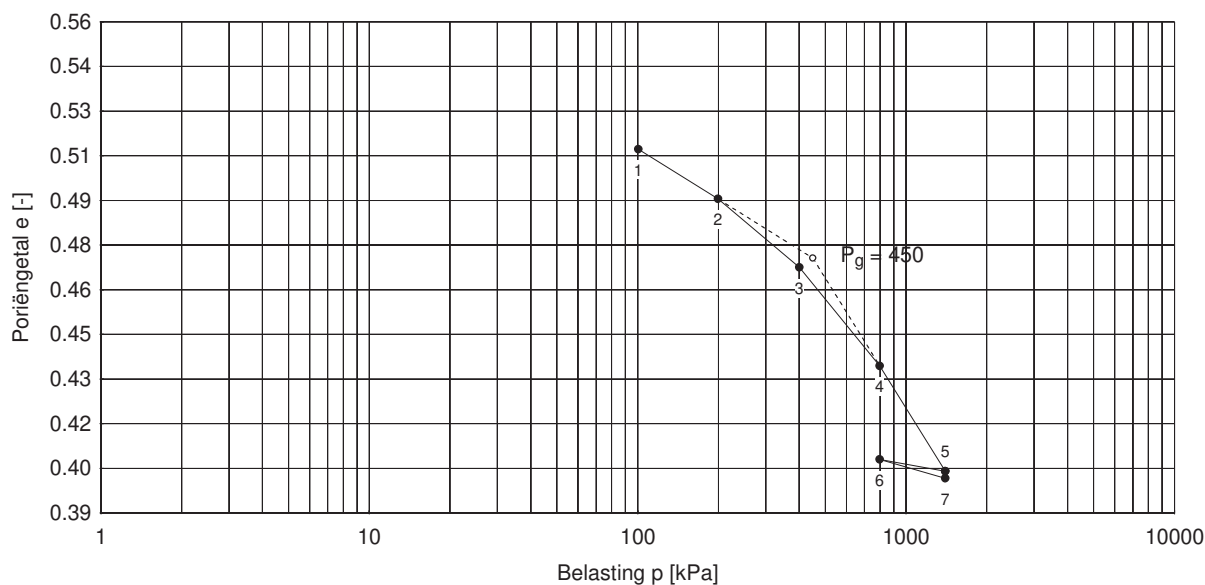
Boring	: B3	Startdatum	: 15-03-2021	Grondsoort:	Klei, uiterst siltig, zwak humeus
Monster	: 39	Einddatum	: 22-03-2021	Diepte	: 25.12 - 25.17 m. -NAP
Bus	: .	Hoogte monster	: 20.00 mm	Initieel vol. gewicht γ	: 20.11 kN/m ³
Apparaat	: 4	Zetting (24u)	: 0.571 mm	Droog vol. gewicht γ_{dr}	: 16.71 kN/m ³
Soort monster	: Ongeroerd	e_0	: 0.56	Watergehalte W	: 20 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
$C_{c/r/sw} = \Delta e / \Delta \log p$	0.058	0.079	0.114	0.151	0.017	0.027	
$C_{\alpha}^* = \Delta e / \Delta \log t$		0.0008	0.0012	0.0018	0.0024		0.0003

* Berekening C_{α} gebaseerd op de proefstukhoogte aan het begin van de trap

$C_r = 0.027$	$C_c = 0.151$	$C_{sw} = 0.017$
Trap 6 - 7	Trap 4 - 5	Trap 5 - 6

$C_{\alpha} = 0.0021$
Trap 4 - 5



* Lineaire rek berekend t.o.v. proefstukhoogte aan het begin van iedere trap

Opdracht : 2021-015
 Plaats : Vlissingen Oost
 Project : mvj21031

SAMENDRUKKINGSPROEF

Totaaloverzicht proefresultaten

Boring	: B3	Startdatum	: 15-03-2021	Grondsoort:	Klei, uiterst siltig, zwak humeus
Monster	: 39	Einddatum	: 22-03-2021	Diepte	: 25.12 - 25.17 m. -NAP
Bus	: .	Hoogte monster	: 20.00 mm	Initieel vol. gewicht γ	: 20.11 kN/m ³
Apparaat	: 4	Zetting (24u)	: 0.571 mm	Droog vol. gewicht γ_{dr}	: 16.71 kN/m ³
Soort monster	: Ongeroerd	e_0	: 0.56	Watergehalte W	: 20 %

Bepaling parameters per trap

Belasting p [kPa]	101	200	400	799	1401	799	1401
NEN / Bjerrum	Trap 1	2	3	4	5	6	7
$C_{c/r/sw} = \Delta e / \Delta \log p$	0.0584	0.0788	0.1144	0.1506	0.0169	0.0271	
$C_{\alpha} = \Delta e / \Delta \log t$	0.0008	0.0012	0.0018	0.0024		0.0003	
KoppeJan	Trap 1	2	3	4	5	6	7
C_p	60.0	44.7	30.9	23.7	153.7	142.7	
C_s	998.5	788.0	505.3	355.9	626.9	1139.1	
C_{10^4}	48.4	36.4	24.8	18.7	77.6	95.1	
Taylor / Casagrande	Trap 1	2	3	4	5	6	7
$c_v [10^{-8} m^2/s]$ (Taylor)	162.83	126.69	120.96	87.29		506.52	
$m_v [1/MPa]$	0.06	0.03	0.03	0.02		0.00	
$k_{10} [10^{-11} m/s]$	91.60	42.43	32.31	17.27		9.21	
$c_v [10^{-8} m^2/s]$ (Casagrande)	527.69	668.94	400.04	148.82		1890.22	
Isotachen	Trap 1	2	3	4	5	6	7
a, b	0.0169	0.0231	0.0342	0.0461	0.0052	0.0084	
c			0.0008	0.0010			

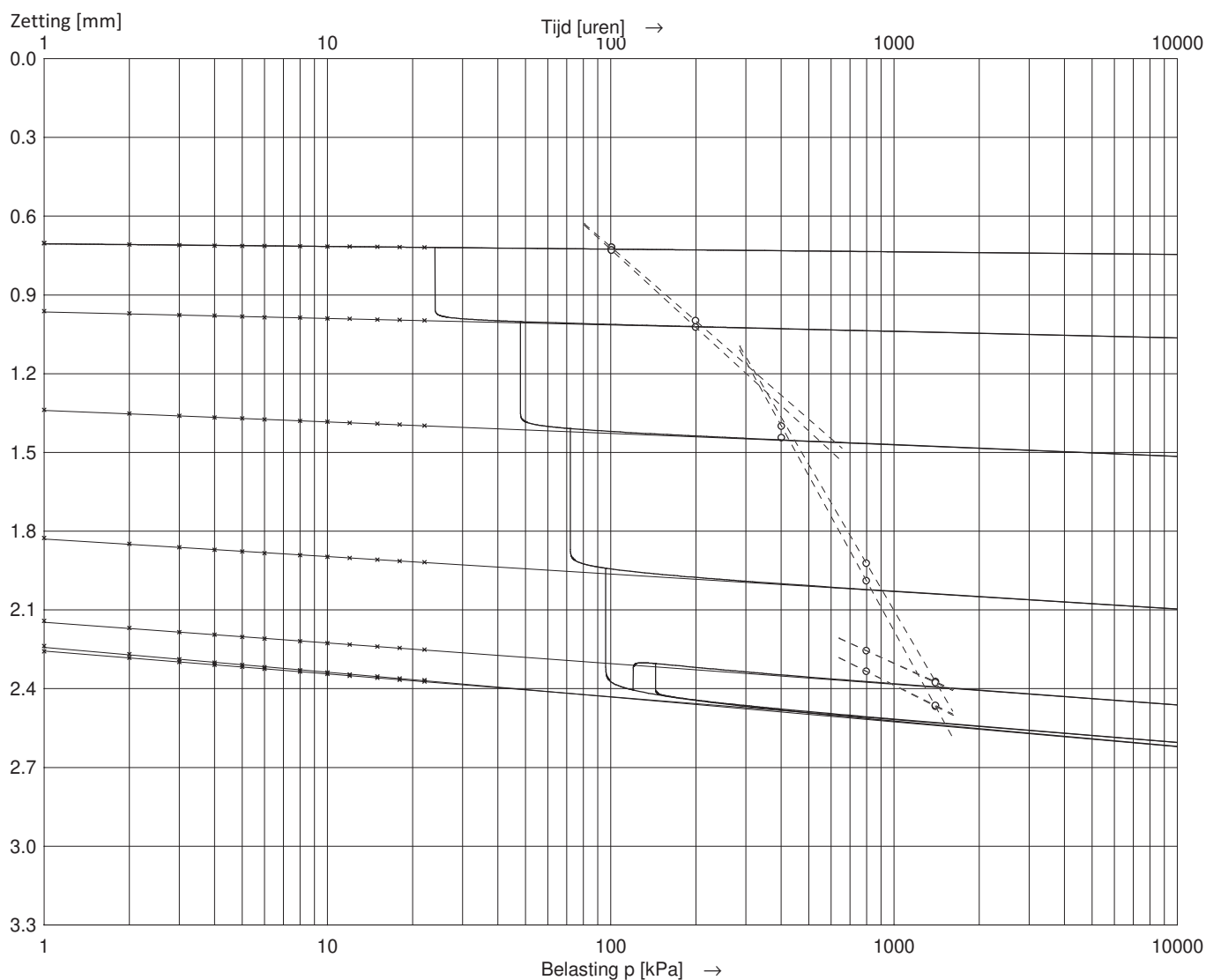
Bepaling P_g en parameters op basis van geselecteerde trappen

NEN / Bjerrum	Trap 6 - 7	Trap 4 - 5	Trap 5 - 6	Trap 4, 5
$P_g = 450.1$	$C_r = 0.0271$	$C_c = 0.1506$	$C_{sw} = 0.0169$	$C_{\alpha} = 0.0021$
KoppeJan	Trap 1 - 2	Trap 4 - 5	Trap 5 - 6	Trap 6 - 7
$P_g = 448.7$	$C_p = 60.0$ $C_s = 998.5$ $C_{10^4} = 48.4$	$C_p' = 23.7$ $C_s' = 355.9$ $C_{10^4}' = 18.7$	$A_p = 153.7$ $A_s = 626.9$ $A_{10^4} = 77.6$	$C_{p(r)} = 142.7$ $C_{s(r)} = 1139.1$ $C_{10^4(r)} = 95.1$
Isotachen	Trap 6 - 7	Trap 4 - 5	Trap 5	
$P_g = --$	a = 0.0084	b = 0.0461	c = 0.0010	

Boring : B3	Startdatum : 15-03-2021	Grondsoort: Klei, uiterst siltig, zwak humeus
Monster : 44	Einddatum : 22-03-2021	Diepte : 29.37 - 29.42 m. -NAP
Bus : .	Hoogte monster : 20.00 mm	Initieel vol. gewicht γ : 19.34 kN/m ³
Apparaat : 5	Zetting (24u) : 0.720 mm	Droog vol. gewicht γ_{dr} : 15.36 kN/m ³
Soort monster : Ongeroerd	h (24u) : 19.280 mm	Watergehalte W : 26 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting [kN/m ²]	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
C _p	47.0	33.3	25.4	23.9	91.5	88.8	
C _s	897.1	699.7	579.6	390.0	690.0	1271.0	
C _{10⁴}	38.9	27.9	21.6	19.2	59.8	69.4	

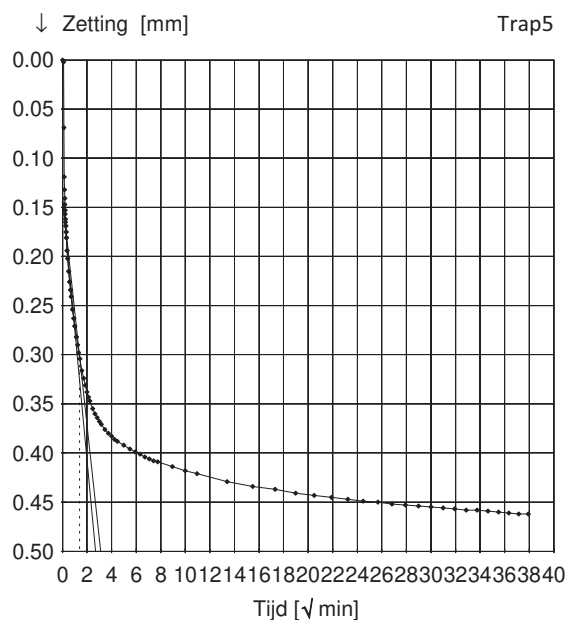
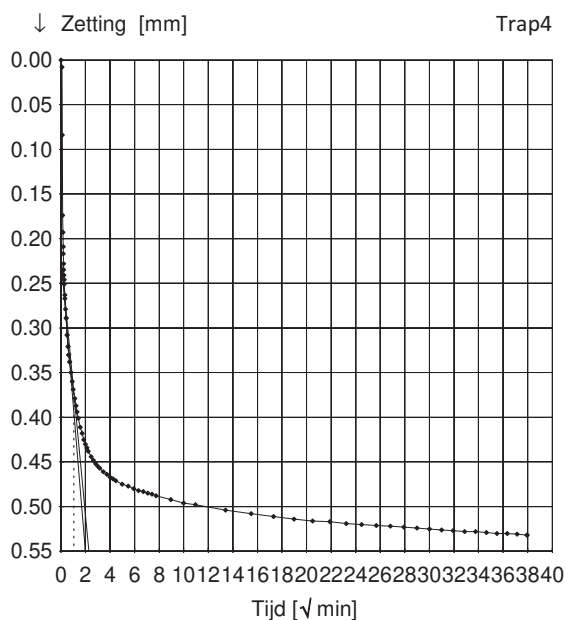
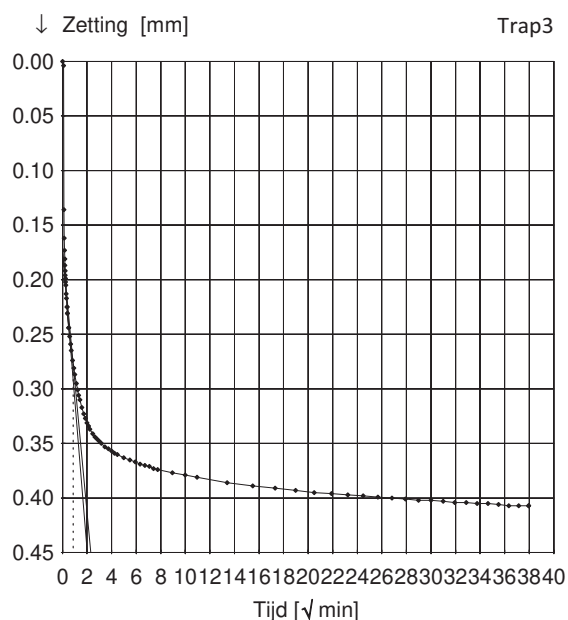
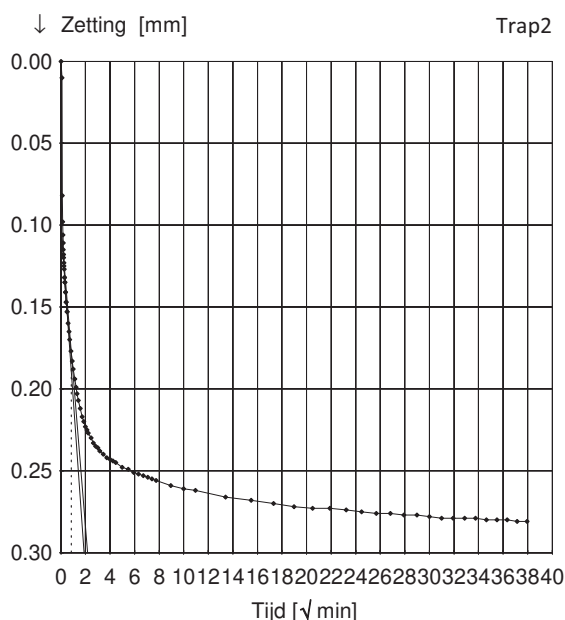
Grensspanning p _g	Voor p _g	Na p _g	Ontlasten	Herbelasten	Ontlasten(2)	Herbelasten(2)
328 [kN/m ²]	C _p = 47.0	C _p ' = 23.9	C _p = 91.5	C _p = 88.8		
	C _s = 897.1	C _s ' = 390.0	C _s = 690.0	C _s = 1271.0		
	C _{10⁴} = 38.9	C _{10⁴} ' = 19.2	C _{10⁴} = 59.8	C _{10⁴} = 69.4		



Asymptoot tijdinterval : 2 - 48 uur.

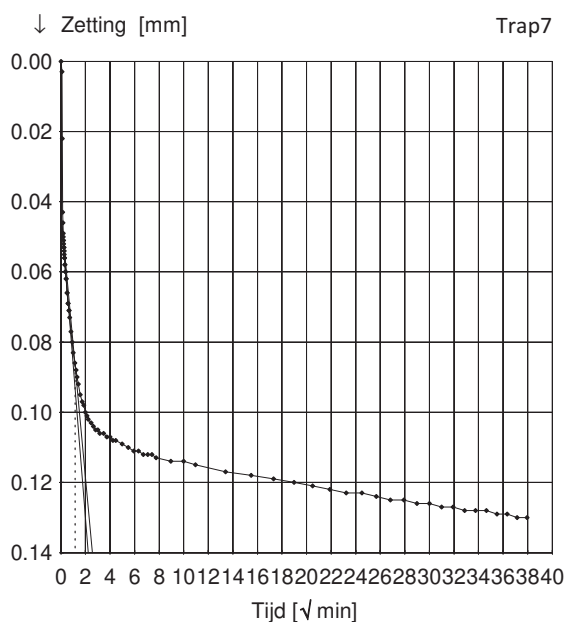
Boring : B3	Startdatum : 15-03-2021	Grondsoort: Klei, uiterst siltig, zwak humeus
Monster : 44	Einddatum : 22-03-2021	Diepte : 29.37 - 29.42 m. -NAP
Bus : .	Hoogte monster : 20.00 mm	Initieel vol. gewicht γ : 19.34 kN/m ³
Apparaat : 5	Zetting (24u) : 0.720 mm	Droog vol. gewicht γ_{dr} : 15.36 kN/m ³
Soort monster : Ongeroerd	h (24u) : 19.280 mm	Watergehalte W : 26 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting [kN/m ²]	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
Δp [kN/m ²]	100.74	98.92	200.6	398.45	601.79	-601.79	601.79
c_v [10 ⁻⁸ m ² /s] (wortel-t)		133.03	123.47	80.66	43.03		62.63
m_v [1/MPa]		0.05	0.03	0.02	0.02		0.00
k_{10} [10 ⁻¹¹ m/s]		59.88	36.97	18.16	6.98		2.77
c_v [10 ⁻⁸ m ² /s] (log-t)		1689.32	1730.39	1093.54	685.16		1139.63
C_α [10 ⁻³]		1.084	1.270	1.731	2.149		0.5327



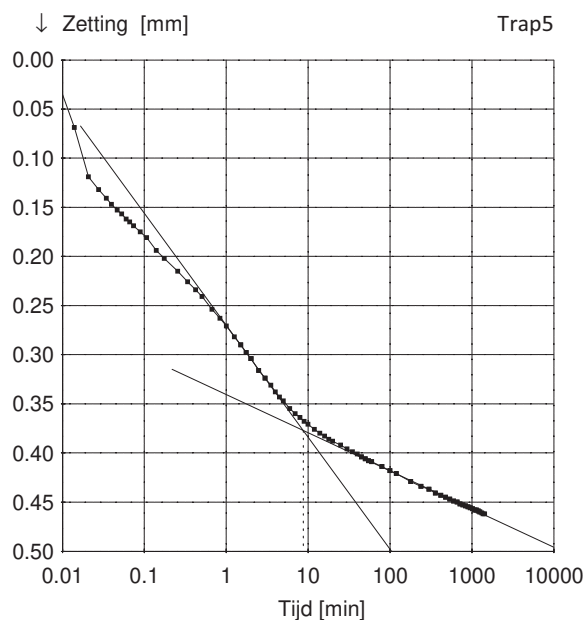
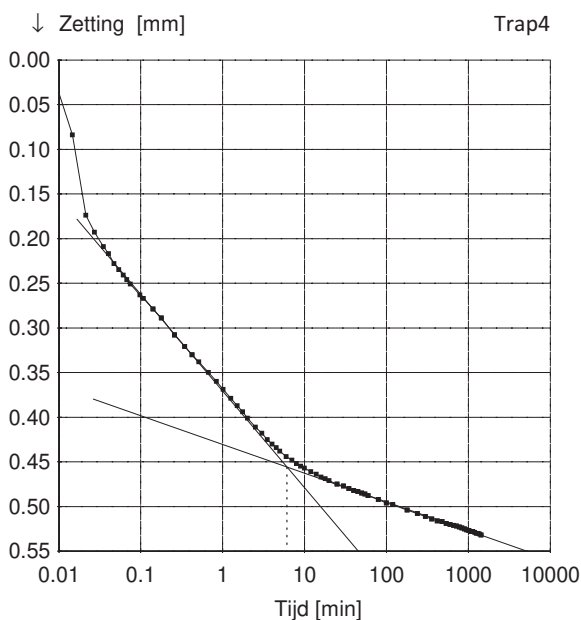
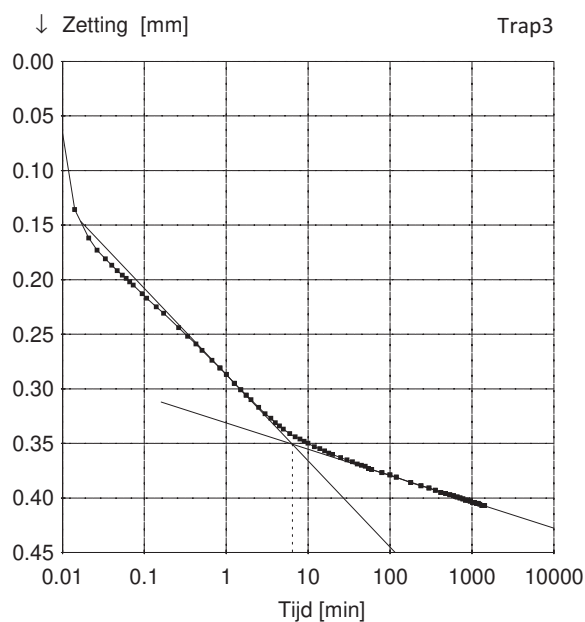
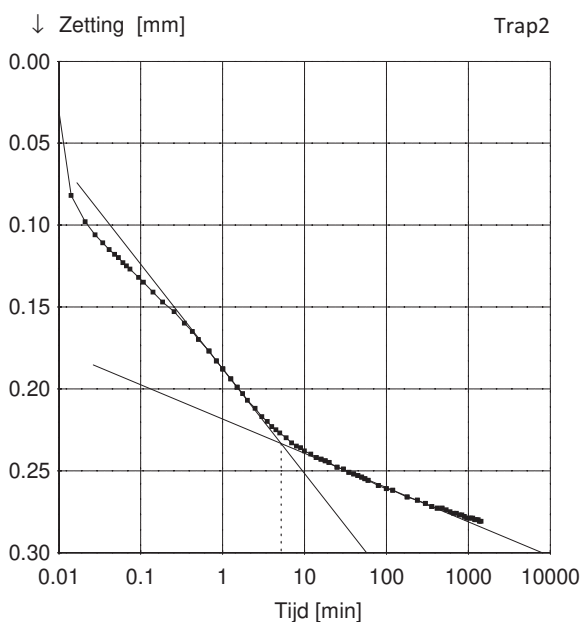
Boring : B3	Startdatum : 15-03-2021	Grondsoort: Klei, uiterst siltig, zwak humeus
Monster : 44	Einddatum : 22-03-2021	Diepte : 29.37 - 29.42 m. -NAP
Bus : .	Hoogte monster : 20.00 mm	Initieel vol. gewicht γ : 19.34 kN/m ³
Apparaat : 5	Zetting (24u) : 0.720 mm	Droog vol. gewicht γ_{dr} : 15.36 kN/m ³
Soort monster : Ongeroerd	h (24u) : 19.280 mm	Watergehalte W : 26 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting [kN/m ²]	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
Δp [kN/m ²]	100.74	98.92	200.6	398.45	601.79	-601.79	601.79
c_v [10 ⁻⁸ m ² /s] (wortel-t)		133.03	123.47	80.66	43.03		62.63
m_v [1/MPa]		0.05	0.03	0.02	0.02		0.00
k_{10} [10 ⁻¹¹ m/s]		59.88	36.97	18.16	6.98		2.77
c_v [10 ⁻⁸ m ² /s] (log-t)		1689.32	1730.39	1093.54	685.16		1139.63
C_α [10 ⁻³]		1.084	1.270	1.731	2.149		0.5327



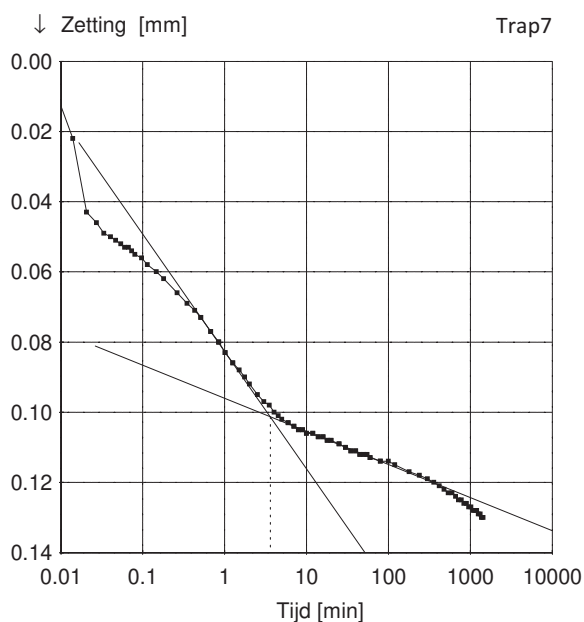
Boring : B3	Startdatum : 15-03-2021	Grondsoort: Klei, uiterst siltig, zwak humeus
Monster : 44	Einddatum : 22-03-2021	Diepte : 29.37 - 29.42 m. -NAP
Bus : .	Hoogte monster : 20.00 mm	Initieel vol. gewicht γ : 19.34 kN/m ³
Apparaat : 5	Zetting (24u) : 0.720 mm	Droog vol. gewicht γ_{dr} : 15.36 kN/m ³
Soort monster : Ongeroid	h (24u) : 19.280 mm	Watergehalte W : 26 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting [kN/m ²]	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
Δp [kN/m ²]	100.74	98.92	200.6	398.45	601.79	-601.79	601.79
c_v [10 ⁻⁸ m ² /s] (wortel-t)		133.03	123.47	80.66	43.03		62.63
m_v [1/MPa]		0.05	0.03	0.02	0.02		0.00
k_{10} [10 ⁻¹¹ m/s]		59.88	36.97	18.16	6.98		2.77
c_v [10 ⁻⁸ m ² /s] (log-t)		1689.32	1730.39	1093.54	685.16		1139.63
C_α [10 ⁻³]		1.084	1.270	1.731	2.149		0.5327



Boring : B3	Startdatum : 15-03-2021	Grondsoort: Klei, uiterst siltig, zwak humeus
Monster : 44	Einddatum : 22-03-2021	Diepte : 29.37 - 29.42 m. -NAP
Bus : .	Hoogte monster : 20.00 mm	Initieel vol. gewicht γ : 19.34 kN/m ³
Apparaat : 5	Zetting (24u) : 0.720 mm	Droog vol. gewicht γ_{dr} : 15.36 kN/m ³
Soort monster : Ongeroerd	h (24u) : 19.280 mm	Watergehalte W : 26 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting [kN/m ²]	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
Δp [kN/m ²]	100.74	98.92	200.6	398.45	601.79	-601.79	601.79
c_v [10 ⁻⁸ m ² /s] (wortel-t)		133.03	123.47	80.66	43.03		62.63
m_v [1/MPa]		0.05	0.03	0.02	0.02		0.00
k_{10} [10 ⁻¹¹ m/s]		59.88	36.97	18.16	6.98		2.77
c_v [10 ⁻⁸ m ² /s] (log-t)		1689.32	1730.39	1093.54	685.16		1139.63
C_α [10 ⁻³]		1.084	1.270	1.731	2.149		0.5327



Opdracht : 2021-015
Plaats : Vlissingen Oost
Project : mvj21031

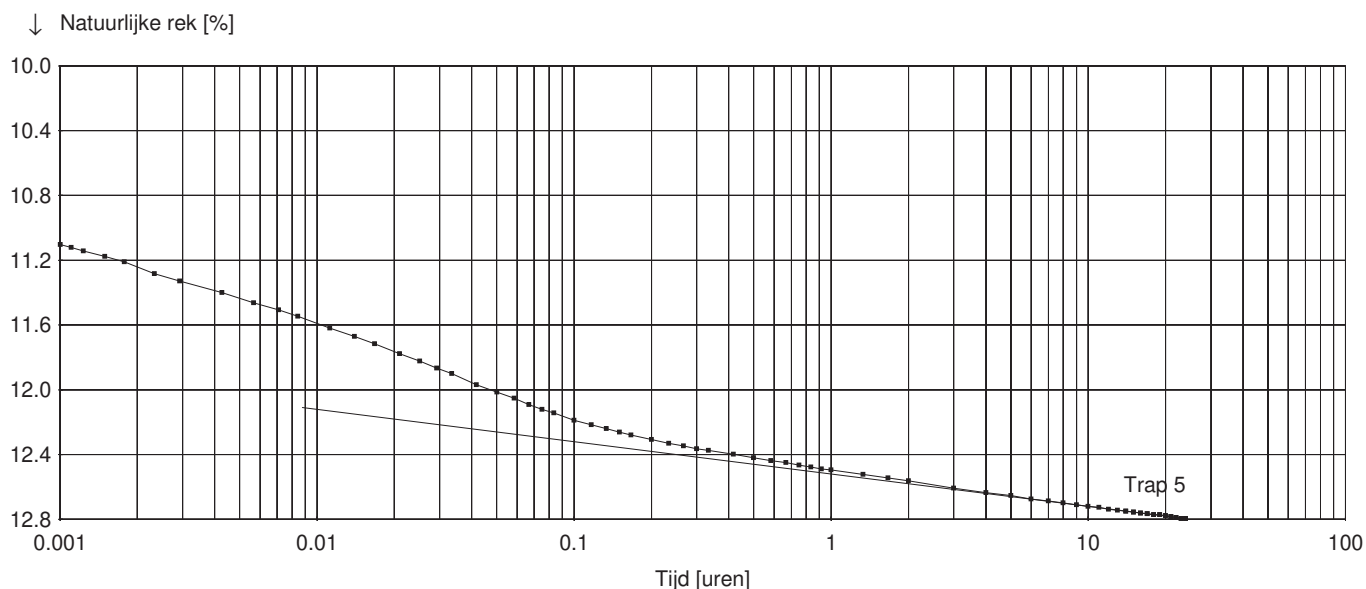
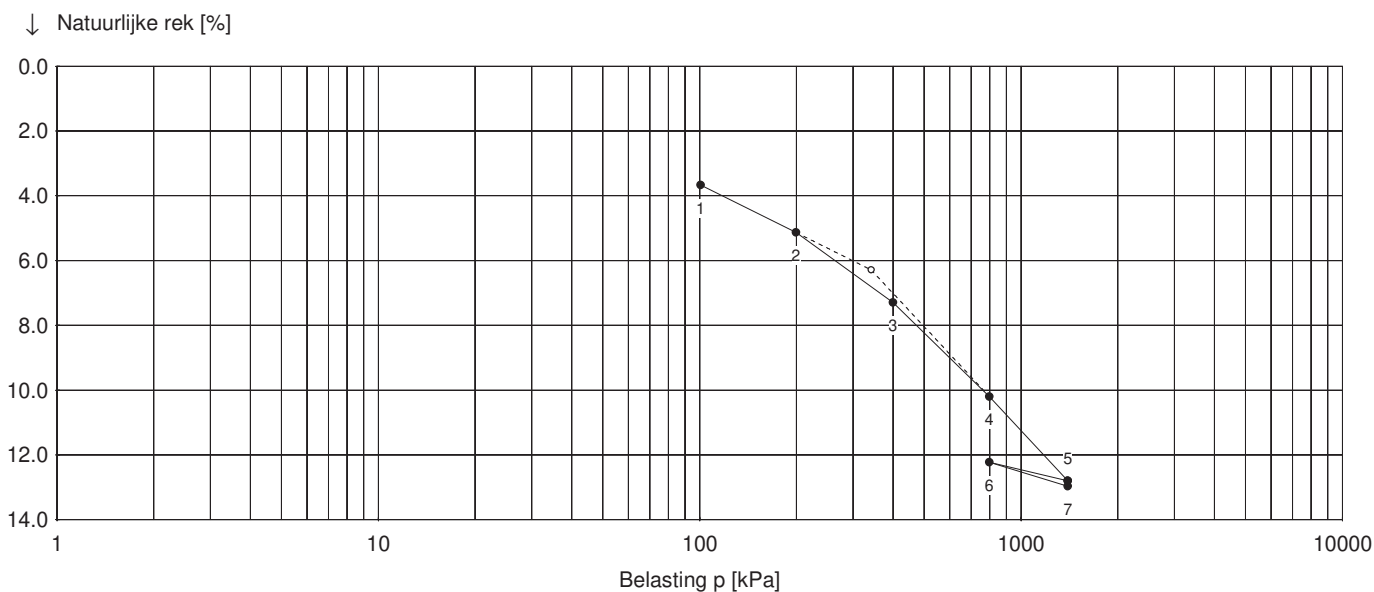
SAMENDRUKKINGSPROEF

Isotachen

Boring : B3	Startdatum : 15-03-2021	Grondsoort: Klei, uiterst siltig, zwak humeus
Monster : 44	Einddatum : 22-03-2021	Diepte : 29.37 - 29.42 m. -NAP
Bus : .	Hoogte monster : 20.00 mm	Initieel vol. gewicht γ : 19.34 kN/m ³
Apparaat : 5	Zetting (24u) : 0.720 mm	Droog vol. gewicht γ_{dr} : 15.36 kN/m ³
Soort monster : Ongeroerd	h (24u) : 19.280 mm	Watergehalte W : 26 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
a, b	0.0215	0.0311	0.0420	0.0461	0.0101	0.0131	
c			0.0008	0.0009			

Grensspanning P_g =	kPa	a = 0.0131	b = 0.0461	c = 0.00087
		Trap 6 - 7	Trap 4 - 5	Trap 5



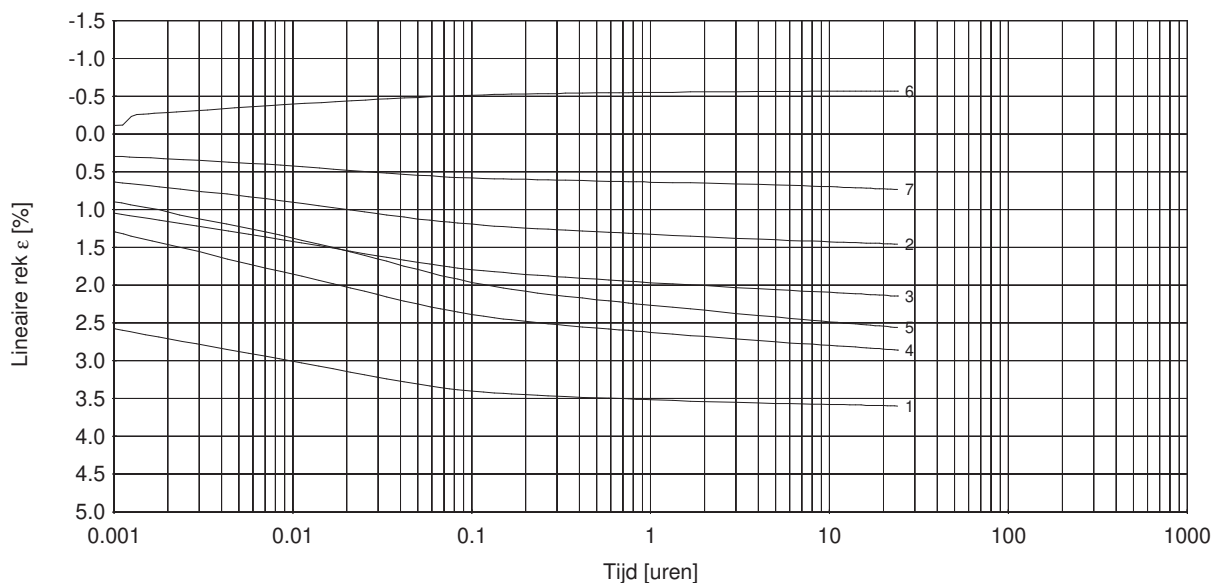
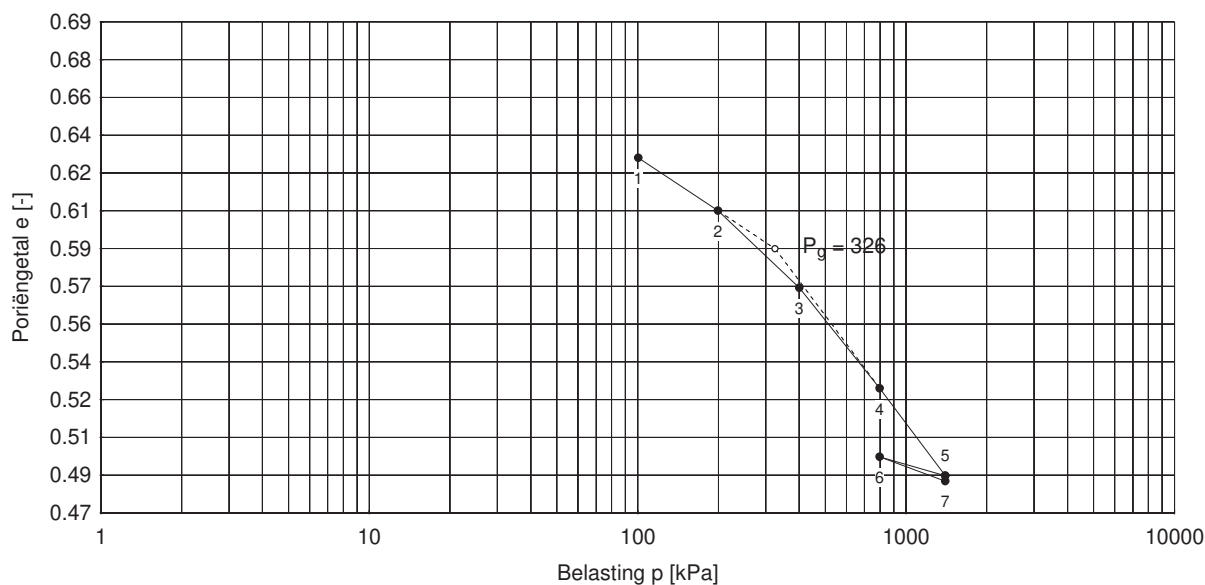
Boring	: B3	Startdatum	: 15-03-2021	Grondsoort:	Klei, uiterst siltig, zwak humeus
Monster	: 44	Einddatum	: 22-03-2021	Diepte	: 29.37 - 29.42 m. -NAP
Bus	: .	Hoogte monster	: 20.00 mm	Initieel vol. gewicht γ	: 19.34 kN/m ³
Apparaat	: 5	Zetting (24u)	: 0.720 mm	Droog vol. gewicht γ_{dr}	: 15.36 kN/m ³
Soort monster	: Ongeroerd	e_0	: 0.69	Watergehalte W	: 26 %

Belastingtrappen:	Trap1	Trap2	Trap3	Trap4	Trap5	Trap6	Trap7
Belasting	100.74	199.66	400.26	798.71	1400.5	798.71	1400.5
$C_{c/r/sw} = \Delta e / \Delta \log p$	0.080	0.114	0.150	0.160	0.035	0.045	
$C_{\alpha}^* = \Delta e / \Delta \log t$		0.0011	0.0013	0.0017	0.0021		0.0005

* Berekening C_{α} gebaseerd op de proefstukhoogte aan het begin van de trap

$C_r = 0.045$	$C_c = 0.160$	$C_{sw} = 0.035$
Trap 6 - 7	Trap 4 - 5	Trap 5 - 6

$C_{\alpha} = 0.0019$
Trap 4 - 5



* Lineaire rek berekend t.o.v. proefstukhoogte aan het begin van iedere trap

Opdracht : 2021-015
Plaats : Vlissingen Oost
Project : mvj21031

SAMENDRUKKINGSPROEF

Totaaloverzicht proefresultaten

Boring : B3	Startdatum : 15-03-2021	Grondsoort: Klei, uiterst siltig, zwak humeus
Monster : 44	Einddatum : 22-03-2021	Diepte : 29.37 - 29.42 m. -NAP
Bus : .	Hoogte monster : 20.00 mm	Initieel vol. gewicht γ : 19.34 kN/m ³
Apparaat : 5	Zetting (24u) : 0.720 mm	Droog vol. gewicht γ_{dr} : 15.36 kN/m ³
Soort monster : Ongeroerd	e_0 : 0.69	Watergehalte W : 26 %

Bepaling parameters per trap

Belasting p [kPa]	101	200	400	799	1401	799	1401
NEN / Bjerrum	Trap 1	2	3	4	5	6	7
$C_{c/r/sw} = \Delta e / \Delta \log p$	0.0800	0.1140	0.1500	0.1603	0.0347	0.0451	
$C_{\alpha} = \Delta e / \Delta \log t$	0.0011	0.0013	0.0017	0.0021		0.0005	
KoppeJan	Trap 1	2	3	4	5	6	7
C_p	47.0	33.3	25.4	23.9	91.5	88.8	
C_s	897.1	699.7	579.6	390.0	690.0	1271.0	
C_{10^4}	38.9	27.9	21.6	19.2	59.8	69.4	
Taylor / Casagrande	Trap 1	2	3	4	5	6	7
$c_v [10^{-8} m^2/s]$ (Taylor)	133.03	123.47	80.66	43.03		62.63	
$m_v [1/MPa]$	0.05	0.03	0.02	0.02		0.00	
$k_{10} [10^{-11} m/s]$	59.88	36.97	18.16	6.98		2.77	
$c_v [10^{-8} m^2/s]$ (Casagrande)	1689.32	1730.39	1093.54	685.16		1139.63	
Isotachen	Trap 1	2	3	4	5	6	7
a, b	0.0215	0.0311	0.0420	0.0461	0.0101	0.0131	
c				0.0008	0.0009		

Bepaling P_g en parameters op basis van geselecteerde trappen

NEN / Bjerrum	Trap 6 - 7	Trap 4 - 5	Trap 5 - 6	Trap 4, 5
$P_g = 325.7$	$C_r = 0.0451$	$C_c = 0.1603$	$C_{sw} = 0.0347$	$C_{\alpha} = 0.0019$
KoppeJan	Trap 1 - 2	Trap 4 - 5	Trap 5 - 6	Trap 6 - 7
$P_g = 328.0$	$C_p = 47.0$ $C_s = 897.1$ $C_{10^4} = 38.9$	$C_p' = 23.9$ $C_s' = 390.0$ $C_{10^4}' = 19.2$	$A_p = 91.5$ $A_s = 690.0$ $A_{10^4} = 59.8$	$C_{p(r)} = 88.8$ $C_{s(r)} = 1271.0$ $C_{10^4(r)} = 69.4$
Isotachen	Trap 6 - 7	Trap 4 - 5	Trap 5	
$P_g = --$	a = 0.0131	b = 0.0461	c = 0.0009	